

Index of  
Generic Names  
of Fossil Plants,  
1966-1973

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# Index of Generic Names of Fossil Plants, 1966-1973

By ANNA M. BLAZER

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*Based on the Compendium  
Index of Paleobotany of  
the U.S. Geological Survey*



UNITED STATES DEPARTMENT OF THE INTERIOR

ROGERS C. B. MORTON, *Secretary*

GEOLOGICAL SURVEY

V. E. McKelvey, *Director*

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# INDEX OF GENERIC NAMES OF FOSSIL PLANTS, 1966-1973

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By ANNA M. BLAZER

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## INTRODUCTION

This bulletin is a supplement to the "Index of Generic Names of Fossil Plants, 1820-1965," by Henry N. Andrews, Jr. (U. S. Geol. Survey Bull. 1300, 1970). It includes the names of new fossil plant genera found in the literature during the 8-year period 1966-73, and now included in the U.S. Geological Survey's Compendium Index of Paleobotany. Also included are a few names published in earlier literature but not contained in Andrews' work. (For a complete history and background of the Compendium Index, see Andrews, 1970.)

This supplement follows the same general format used in the 1970 Index, except that the titles of Russian articles are both transliterated and translated. This makes for longer individual citations, but it also expedites access to the Russian literature.

Where more than one author has chosen the same name to describe a fossil plant, the publication bearing the earliest date is the one that has been selected for inclusion in this supplement.

The method followed in obtaining necessary data has been to visit regularly the local libraries to select paleobotanical material for scanning and inclusion of pertinent material in the Compendium Index. This involves searching through approximately 18,000 pieces of geologic literature yearly in the U.S. Geological Survey Library alone; even so, a few names are missed because of the growing mass of literature.

In the interest of maintaining a complete record of paleobotanical research in the Compendium Index, it is urgent that all paleobotanists send reprints or a notation of their publications to:



The Paleobotanical Library  
Paleontology and Stratigraphy Branch  
U.S. Geological Survey  
Room W-300, U.S. National Museum  
Washington, D. C. 20244, U. S. A.

I have received help of many kinds during the preparation of the supplement, all of which is sincerely appreciated. Sergius H. Mamay generally supervised this work; he and Francis M. Hueber of the Smithsonian Institution assisted me with problems of fossil identification and other technicalities. For assistance in library research I thank Marjorie Arnold and Arthur D. Watt. Birute Saldukas gave valuable help in linguistic problems. The librarians of the U.S. Geological Survey and the Smithsonian Institution gave generously of their time in locating publications. I owe special thanks to Marcia Lakeman of the Geological Society of America for her advice and help in cataloguing.

### GENERIC INDEX OF FOSSIL PLANTS

#### A

**AACHENIA** Knobloch, 1972.

*Aachenia debeyi* Knobloch, 1972, p. 401-405, figs. 1-10; cone, Coniferales; Upper Cretaceous; Aachen, West Germany.

**ABRUPTOPHYCUS** Vologdin, 1962.

*Abruptophycus compositus* Vologdin, 1962, pt. 1, p. 232-235, figs. 41-43; pl. 41, figs. 1-3; pl. 42, figs. 1, 2; stromatolite, Vesiculariaceae; Sinitian; right bank of the lower Nizhney Tunguska, about 8.5 km from the mouth, U.S.S.R.

**ACACIELLA** Walter, 1972.

*Acaciella austriaca* (Howchin) Walter, 1972, p. 113-123, figs. 6, 21-22, 29-32; pl. 2, figs. 3, 4; pls. 13-14; pl. 15, figs. 1, 2; stromatolite; upper Riphean (Adelaidean); Northern Territory, Australia.

**ACANTHINA** Korde, 1973.

*Acanthina multiformis* Korde, 1973, p. 117, pl. 4, fig. 2; pl. 5, figs. 1, 2; pl. 7, fig. 6; algae, Acanthinaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.

**ACHLAMYDOCARPON** Schumacker-Lambry, 1966.

*Achlamydocarpon belgicum* Schumacker-Lambry, 1966, p. 21-22, pls. 1-5, figs. 1-30; cone, Lepidocarpaceae; Upper Carboniferous; eastern Belgium.

**ACTINIDIOXYLON** Müller-Stoll and Mädel-Angeliowa, 1969.

*Actinidioxylon princeps* (Ludwig, 1860) Müller-Stoll and Mädel-Angeliowa, 1869, p. 103-108, figs. 1-3; pl. 1, figs. 1-4; pl. 2, figs. 6-9; fragments of woody twigs or branches; Pliocene; Dernbach in Westerwald, western Germany.

**ACTINOXYLON** Matten, 1968.

*Actinoxylon banksii* Matten, 1968, p. 776-779, figs. 1-18; progymnosperm; Middle Devonian; near Cairo, New York, U.S.A.

**ADENANTHEROXYLON** Prakash and Tripathi, 1968.

*Adenantheroxylon pavoninum* Prakash and Tripathi, 1968, p. 115, figs. 1, 2; wood, closely resembles the modern species *Adenanthera pavonina*, Leguminosae; Tertiary; Hailakandi, Cachar district, Assam, India.

**AESCHYNOMENOXYLON** Müller-Stoll and Mädel, 1967.

*Aeschynomenoxyylon tertianum* (Prakash) Müller-Stoll and Mädel, 1967, p. 149-150; wood, Leguminosae; lower Tertiary; India.

**AFGHANOPOLIA** Kaever, 1969.

*Afghanopolia fragilis* Kaever, 1969, p. 26-30, figs. 6: 4-5. 7: 1-6; pl. 10, figs. 1-9; algae, Cymopolieae; middle Eocene; east Afghanistan.

**AGAMUS** Vologdin, 1970.

*Agamus shumgiticus* Vologdin, 1970, p. 1165-1166, fig. 1v; unicellular



- microscopic algae, Vesiculariaceae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.
- AGARDHIELLOPSIS** Lemoine, 1966.  
*Agardheilopsis cretacea* Lemoine, 1966, p. 203-210, pl. 1, figs. 1-4; alga, closely resembles *Agardhiella tenera*; Lower Cretaceous; Aude, Ariège, Basses-Pyrénées, southern France, and Navarre province, Spain.
- AGROSTISTACHYOPHYLLUM** Rásky, (1965) 1966.  
*Agrostistachyophyllum tomharrisi* Rásky, (1965) 1966, p. 264, pl. 1, fig. 1; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- ALANGIOXYLON** Awasthi, (1968) 1969.  
*Alangioxylon scariforme* Awasthi (1968) 1969, p. 322-325; figs. 1-3; pl. 1, figs. 1, 3-6; wood, Alangiaceae; middle Tertiary; north-northwest Pondicherry, Arcot district, Madras State, India.
- ALATOCARPUS** Lele (1968) 1969.  
*Alatocarpus indicus* Lele, (1968) 1969, p. 52-55, figs. 1, 2, 7-10; pl. 1, figs. 1-5, 12-15, a platyspermic seed; Permian; Singrauli coalfield, Uttar Pradesh, India.
- ALBERTLONGIA** Taylor, 1967.  
*Albertlongia incostata* Taylor, 1967, p. 26-28, figs. 1, 2, pl. 9, figs. 10-17; pteridosperm seed; Middle Pennsylvanian; Carrier Mills, Illinois, U.S.A.
- ALBERTAPORELLA** Johnson, 1966.  
*Albertaporella involuta* Johnson, 1966, p. 1386, pl. 176, figs. 2-8; green algae, Dasycladaceae; Mississippian; along South Berland River, north of Jasper National Park, Alberta, Canada.
- ALCHORNEAEPHYLLUM** Rásky, (1965) 1966.  
*Alchorneaephyllum chandleri* Rásky, (1965) 1966, p. 264-265, pl. 1, fig. 3; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- ALDANELLA** Kolosov, 1966.  
*Aldanella monstrata* Kolosov, 1966, p. 978, figs. 1B', 1B''; algae, Rivulariaceae; Precambrian; Olekma river basin, Yakut SSR.
- ALDANIA** Krylov, 1969.  
*Aldania sibirica* (Jackolev, 1934) Krylov, in Krylov, Korolyuk and Siderov, 1969, p. 200-203, figs. 50, 51; pl. 37, figs. 3-5; stromatolite; Precambrian; Aldan river basin, Siberian platform, northeastern Siberia, U.S.S.R.
- ALSTAETTIA** Remy and Remy, 1969.  
*Alstaettia andersoni* Remy and Remy, 1969, p. 91-129, figs. 1-7; pls. 20-23; stem, Matoniceae; middle Barremian; Alstaettia, Ahaus district, North Rhine-Westphalia.
- ALTERNELLA** Raaben, 1972.  
*Alternella hyperboeica* Raaben, 1972, p. 47-49, fig. 10; pl. 29, figs. 1-4; stromatolite; lowermost Cambrian; Severnaya Zemlya and Spitsbergen.
- ALTERNIA** Vologdin, 1962.  
*Alternia silva* Vologdin, 1962, pt. 2, p. 519-521, fig. 29; pl. 25, figs. 1-4; stromatolite, Trichostromaceae; Lower Ordovician; right bank of the Angara near Boguchany village, Krasnoyarskiy Kray, U.S.S.R.
- ALTERNICUTIS** Schneider, 1969.  
*Alternicutis gibba* Schneider, 1969, p. 29-30, fig. 8; pl. 9, figs. 5-7; cuticle, Glumiflorae; middle Miocene; Kolenfeld Nochten, Lower Lusatia, east-central Germany.
- ALTOCHARA** Saydakovskiy, 1968.  
*Altochara continua* Saydakovskiy, 1968, p. 103-104, pl. 15, figs. 22, 23; charophyte, fruit; Caspian depression, U.S.S.R.
- AMADOCARPUS** Novik, 1968.  
*Amadocarpus beschevensis* Novik, 1968, p. 199-200, pl. 51, figs. 17, 18; seed, incertae sedis; Lower Carboniferous; western outskirts of the Donets basin, U.S.S.R.
- AMADOPTERIS** Zalesky, 1944.  
*Amadopteris rossica* Zalesky, 1944, p. 190-192, fig. 3; fernlike leaf, Marattiaceae; Permian and Carboniferous; Donets basin, U.S.S.R.
- AMGAINA** Korde, 1973.  
*Amgaina compacta* Korde, 1973, p. 158-159, pl. 30, figs. 1, 2; algae, Parachabkoviaceae; Middle Cambrian; Amga river, Yakutsk, U.S.S.R.
- AMORFIA** Rác, (1964) 1966.  
*Amorfia jalinki* Rác, (1964) 1966, p. 85-86, pl. 8, figs. 1-5; calcareous, red algae of uncertain affinities; the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, north-western Spain.
- ANDIROXYLON** Müller-Stoll and Mädel, 1967.  
*Andiroxylon biserialatum* Müller-Stoll and Mädel, 1967, p. 126-130, figs.

- 7a, b; pl. 31, figs. 44, 45; pl. 32, figs. 48-50; pl. 33, figs. 53-56; wood, Leguminosae; Tertiary; Kenya, east Africa.
- ANGAROPHLOIOS** Meyen, 1972.  
*Angariphloios leclercqianus* Meyen, 1972, p. 154-156, fig. 5; pl. 1, figs. 7-10; bark, lepidophyte; Carboniferous; Angaraland, Siberia, U.S.S.R.
- ANGAROPHYCUS** Vologdin, 1962.  
*Angarophycus depictus* Vologdin, 1962, pt. 1, p. 177-180, figs. 13, 14; pl. 10, figs. 2, 3; pl. 11, figs. 1, 2; stromatolite, Lermontvaephycaceae; Sinian; right bank of the Angara river above Kamenka village, U.S.S.R.
- ANGARORADIX** Khakhlov, 1964.  
*Angaroradix bellis* Khakhlov, 1964, p. 55-56, pl. 1, figs. 2, 3; Equisetales; upper Paleozoic; northern Siberia.
- ANGIOPORELLA** Masse, Conrad and Radoičić, 1973.  
*Angioporella fouryae* Masse, Conrad, and Radoičić, 1973, p. 383-387, fig. 1; pl. 1, figs. 1-8, calcareous alga, Dasycladaceae; Lower Cretaceous; Bouches-du-Rhône, southeastern France.
- ANGULOCELLULARIA** Vologdin, 1962.  
*Angulocellularia anistoma* Vologdin, 1962, pt. 2, p. 484-485, fig. 5; algae, Sajaniaceae; Lower and Middle Cambrian; Yanguda river basin, U.S.S.R.
- ANSOPORELLA** Gnilovskaya, 1972.  
*Ansoporella ansa* Gnilovskaya, 1972, p. 116-119, fig. 51; pl. 15, fig. 2; alga, Moniliporellaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- ANTIQUOPHYTOLITHUS** Vologdin, 1962.  
*Antiquophytolithus filimentaris* Vologdin, 1962, pt. 1, p. 262-264, fig. 58, pl. 54, figs. 1-4; stromatolite, Trichostromataceae; lower Sinian, right bank of the Angara river, Grebensky Byk, eastern slope of the Yenisey ridge, U.S.S.R.
- AOUJGALIA** Termier and Termier, 1950.  
*Aoujgalia variabilis* Termier and Termier, 1950, in Petryk and Mamet, 1972, p. 791, 793, pl. 9, figs. 1-5; calcareous algae (originally described by Termier and Termier as a foraminifer); Lower Carboniferous; central Morocco and southwestern Alberta, Canada.
- APHRODITICODIUM** Elliott, 1970.  
*Aphroditicodium aurantium* Elliott, 1970b, p. 329-330, pl. 62, figs. 1, 2; algae, Codiaceae; Permian, Ora Mosul, northern Iraq, Middle East.
- APHROPORELLA** Gnilovskaya, 1972.  
*Aphroporella gracilis* Gnilovskaya, 1972, p. 72-76, figs. 32-34, pl. 4, fig. 4; pl. 5, figs. 2-4; alga, Dasycladaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- APOROTHALLUS** Krasilov, 1973.  
*Aporothallus ladyzhenskajae* Krasilov, 1973, p. 99-100, pl. 46, figs. 58-64; pl. 47, figs. 65-74; bryophyte, Hepaticae; Upper Jurassic; Bureya basin, near the mouth of the Umalta river, U.S.S.R.
- APTEROCLADUS** Archangelsky, 1966.  
*Apterocladus lanceolatus* Archangelsky, 1966, p. 282-286, figs. 27-28, 34; pl. 6, figs. 40-48; pl. 7, figs. 52, 55; pl. 8, figs. 68-70; gymnospermous cones and leafy twigs, Podocarpaceae; Lower Cretaceous; Santa Cruz province, Argentina.
- ARCHAEOCYCAS** Mamay, 1973.  
*Archaeocycas whitei* Mamay, 1973, p. 687-689, fig. 1a-c; fertile organ, Cycadales; Lower Permian; Baylor County, Texas, U.S.A.
- ARCHAEOLARIX** Teslenko, 1970.  
*Archaeolarix argunensis* Teslenko, 1970a, p. 102-104, pl. 13, figs. 1-6; twigs and small female cones, Pinaceae; Lower Cretaceous; left bank of Argun river, Pavlovka village near settlement of Nerchinskii Zavod, Transbaikalia, southeastern Siberia, U.S.S.R.
- ARCHAEOSPERMA** Pettitt and Beck, 1968.  
*Archaeosperma arnoldii* Pettitt and Beck, 1968, p. 140-153; figs. 1-3; pls. 1-5; cupulate seed, Gymnospermae; Upper Devonian; northern Pennsylvania, U.S.A.
- ARCTOPHYTON** Schweitzer, 1968.  
*Arctophyton gracile* Schweitzer, 1968, p. 49-55, figs. 2-4; pl. 6, figs. 2-4; pl. 7, figs. 1, 3-6; pl. 8, figs. 1-4; pl. 9, figs. 1-5; Progymnospermopsida, compared with *Aneurophyton*, *Calamophyton*, and *Hyenia*; Devonian; northern Vestspitsbergen.
- ARENARINA** Vologdin, 1962.  
*Arenarina columella* Vologdin, 1962, pt. 2, p. 505-508, fig. 20; pl. 17, figs. 1-3; stromatolite, Trichostromataceae; Ordovician; area of the Angara above Boguchany



- village, Krasnoyarskiy Kray, U.S.S.R.
- ASCIDIELLA** Grambast, 1966.  
*Ascidiella iberica* Grambast, 1966, p. 2210, pl. 1, figs. 1-6; charophyte, Clavatoraceae; Lower Cretaceous; Tarragona province, Spain.
- ASPHALTINA** Mamet, 1972.  
*Asphaltina cordillerensis* Mamet, in Petryk and Mamet, 1972, p. 795, 797, fig. 8; pl. 10, figs. 3-6; algae, South Misty Range, section 20, Mount Head Formation; Lower Carboniferous; southwestern Alberta, Canada.
- ASTRALOCAULIS** Hueber, 1971.  
*Astralocaulis davidii* (Haris, 1929) Hueber, 1971a., p. 640-641; a new name for *Schizopodium* Harris; axes, incertae sedis; Devonian; Burdekin basin, north Queensland, Australia.
- ASTRALOPTERIS** Tidwell, Rushforth and Reveal, 1967.  
*Astralopteris coloradoca* (Brown, 1950) Tidwell, Rushforth and Reveal, 1967, p. 237-240, 1 fig., pls. 1-6; fronds, closely related to *Drynaria*; Polypodiaceae; Cretaceous; Utah and Colorado, U.S.A.
- AURICULOPORA** Bock, 1969.  
*Auriculopora acrostichioides* Bock, 1969, p. 101-106, figs. 164-167; ? fern, Marattiales; Triassic; Winterpock, Virginia, U.S.A.
- AUSTRALOXYLON** Marguerier, 1973.  
*Australoxylon teixeirae* Marguerier, 1973, p. 39-43, figs. 1-4; pl. 1, figs. 1-5; pl. 2, figs. 1-4; pl. 3, figs. 1, 2 and 4; wood, Gymnospermae; Permian; Tete basin, 21 km east of Carinde, Mozambique.
- AUSTROSTROBUS** Morbelli and Petriella, 1973.  
*Austrostrobus ornatum* Morbelli and Petriella, 1973, p. 279-288, 1 fig., pls. 1, 2; lycopsid cone; Triassic Santa Cruz province, Argentina.
- AVELINESIA** Stockmans, 1968.  
*Avelinesia antiqua* (Dawson, 1871) Stockmans, 1968, p. 33-34, pl. 4, fig. 7; pl. 9, fig. 6; incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- AXOTHRIX** Nagy, (1969) 1971.  
*Axothrix malmica* Nagy, (1969) 1971, p. 306-307, 315-316, pl. 1, fig. 7; algae, incertae sedis; Upper Jurassic; Mecsek mountains, Hungary.
- Azyrtalia* Volodgin and Drosdova, 1969.  
*Azyrtalia zonulata* Vologdin and Drosdova, 1969a, p. 1162-1163, figs. 1-1, 4; algae, Rivulariaceae; upper Precambrian; Batenev ridge, Krasnoyarsk, central Siberia, U.S.S.R.
- B
- BACANELLA** Pantíc, 1971.  
*Bacanella floriformis* Pantíc, 1971, p. 105-108, 110-111, fig. 2; pls. 1-3; alga, Codiaceae?; Middle Jurassic; left bank of the Piva river, Montenegro, southern Yugoslavia.
- BAIEROPHYLLITES** Jain and Delevoryas, 1967.  
*Baierophyllites florinii* Jain and Delevoryas, 1967, p. 577-578, pl. 95, figs. 1-5; pl. 96, figs. 1-3; cuticle and leaf compressions, Ginkgoaceae; Middle Triassic; Minas de Petroleo, southwest of Mendoza, western Argentina.
- BALIOSPERMOPHYLLUM** Rásky, (1965) 1966.  
*Baliospermophyllum kraeuseli* Rásky, (1965) 1966, p. 266, pl. 2, figs. 4, 5; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- BAMBAKIA** Anisimova, 1973.  
*Bambakia cyclopteroides*, Anisimova, 1973a, p. 140-141, 1 fig., fernlike foliage, Middle Carboniferous; Bambak ridge, North Caucasus, U.S.S.R.
- BAPHIOXYLON** Lakhnapal and Prakash, 1970.  
*Baphioxylon dechampsii* Lakhnapal and Prakash, 1970, p. 15-17, pl. 10, figs. 33-36; pl. 11, figs. 37, 39; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- BAQUEROITES** Herbst, 1966.  
*Baqueroites padulae* Herbst, 1966, p. 83-85, figs. 5-7; pl. 2, figs. 4-6; foliage, probably a "pteroid" fern; Lower Cretaceous; Santa Cruz, Patagonia, Argentina.
- BASISPHAERA** Walter, 1972.  
*Basisphaera irregularis* Walter, 1972, p. 132-136, figs. 6, 24, 37-38; pl. 2, fig. 1; pl. 18, figs. 3, 4; pl. 19, figs. 1, 3-5; stromatolite; upper Riphean (Adelaidean); Amadeus basin, Australia.
- BAVARICUTIS** Roselt and Schneider, 1969.  
*Bavaricutis angustiora* Roselt and Schneider, 1969, p. 82, textfig. 32,

- pl. 20, fig. 2; cuticle, ?Ginkgoales; Jurassic; Theta near Bayreuth, Bavaria, Germany.
- BEHUNINIA** Chandler, 1966.  
*Behuninia joannei* Chandler, 1966, p. 145-149, figs. 1-12; pls. 1-4, figs. 1-43; seeds, Cycadales; Upper Jurassic, Utah, U.S.A.
- BENLIGHTFOOTIA** Lacey and Huard-Moine, 1966.  
*Benlightfootia mackii* Lacey and Huard-Moine, 1966, p. 20, 21, fig. 2; bifid leaves, incertae sedis; Lower Permian; Wankie beds, southern Rhodesia.
- BERCHEMIOPSIS** MacGinitie, 1969.  
*Berchemiopsis paucidentata* MacGinitie, 1969, p. 120-121, pl. 13, fig. 5; leaf, Rhamnaceae; Eocene; Wardell ranch, Rangely, Colorado, U.S.A.
- BERLINIOXYLON** Müller-Stoll and Mädler, 1967.  
*Berlinioxylon quirogae* (Schenck) Müller-Stoll and Mädler, 1967, p. 108-111, fig. 3a, b; pl. 26, figs. 9-11; pl. 27, figs. 13-16; wood, Leguminosae; Pliocene; Spanish West Sahara.
- BIGNONIAEAE SPERMUM** Straus, 1969.  
*Bignoniaceaespermum germanicum* Straus, 1969, p. 187, pl. 29, fig. 22; seed, Bignonaceae; Pliocene; Willershausen, Germany.
- BORISIELLA** Khakhlov, 1964.  
*Borisiella bella* Khakhlov, 1964, p. 83-84, pl. 32, fig. 127; pl. 35, fig. 137; Equisetales; upper Paleozoic, northern Siberia.
- BORLOGELLA** Vologdin, 1962.  
*Borlogella multigaria* Vologdin, 1962, pt. 1, p. 270-271, fig. 59; pl. 58, figs. 1-5; stromatolite, Sarmallaceae; upper Sinian; Borlog river of the Burul'deyka river system, southwestern Cisbaikal, U.S.S.R.
- BRACHYSTEGIOXYLON** Lakhnapal and Prakash, 1970.  
*Brachystegioxylon premicrophyllum* Lakhnapal and Prakash, 1970, p. 13-15, pl. 8, figs. 26-28; pl. 9, figs. 29, 31; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- BRASENIELLA** Dorofeev, 1973.  
*Braseniella nymphaeoides* (Dorofeev, 1958) Dorofeev, 1973, p. 110-111, pl. 12, figs. 1-3; seed, similar to Nymphaea; Oligocene; right bank of the Tavdy river, Sverdlovskaya and Tyumenskaya Oblast, U.S.S.R.
- BRAUNIA** Givulescu, 1970.  
*Braunia tiliaefolia* (A. Braun, 1845) Givulescu, 1970, p. 242, pl. 1, figs. 1-4; pl. 2, figs. 1-4; pl. 3, figs. 1-3; epidermis, incertae sedis; Sarmatian; Oehningen, Germany.
- BULBISTROMA** Vologdin, 1962.  
*Bulbistroma curtotthallum* Vologdin, 1962, pt. 1, p. 300-302, fig. 80; algae, Scandophyceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- BUREJOSPERMUM** Krasilov, 1972.  
*Burejospermum crassitestum* Krasilov, 1972, p. 65-66, pl. 22, figs. 1-4, 9-14; ginkgophyte seed, Pseudotorelliaceae; Upper Jurassic to Lower Cretaceous; Bureya river basin, Khabarovsk Territory, U.S.S.R.
- BURSIPHYCAS** Vologdin, 1962.  
*Bursiphycas bullatus* Vologdin, 1962, pt. 1, p. 230-231, fig. 39, pl. 40, fig. 2, lower part of fig. 3; stromatolite, Vesiculariaceae; Lower Cambrian; Borlog river, southwest of Cisbaikal, U.S.S.R.
- BUTEOXYLON** Barnard and Long, 1973.  
*Buteoxylon gordonianum* Barnard and Long, 1973, p. 91-99, figs. 1-4; pl. 1, figs. 1-9; pl. 2, figs. 10-20; pl. 3, figs. 22-29; a petrified stem, Buteoxylonaceae; upper Carboniferous; Oxroad Bay, East Lothian, Scotland.

## C

- CAIROA** Matten, 1973.  
*Cairoa lamaneikii* Matten, 1973, p. 621, 625, 627, figs. 14-35; axes and leaves, Progymnospermopsida; Middle Devonian; near Cairo, Green County, New York, U.S.A.
- CALKINSIA** Wolfe, 1968.  
*Calkinsia franklinensis* Wolfe, 1968, p. 20, pl. 4, figs. 4, 8; leaves, Menispermaceae; lower Tertiary; King County, Washington, U.S.A.
- CALLANDRIUM** Stidd and Hall, 1970.  
*Callandrium callistophytoides* Stidd and Hall, 1970, p. 398-402, figs. 1-24, the probable pollen-bearing organ of the seed fern *Callistophyton*; Pennsylvanian; Lawrence County, Illinois, U.S.A.
- CAMBRINA** Korde, 1973.  
*Cambrina fruticulosa* Korde, 1973, p. 133-134, fig. 18; pl. 15, fig. 1; algae, Cambrinaceae; Lower Cam-



- brian; Bazaikha river, eastern Sayan, U.S.S.R.
- CANIPA** Skog, 1969.
- Canipa quadrifida* Skog, in Skog, Andrews, and Mamay, 1969, p. 281-286, figs. 1-9; synangial fructification, pteridosperm; Middle Pennsylvanian; Fayetteville County, West Virginia, U.S.A.
- CAREOXYLON** Awasthi, (1969) 1970.
- Careoxylon pondicherriense* Awasthi, (1969) 1970, p. 70, 73, figs. 6-10; pl. 2, figs. 6, 8; wood, Lecythidaceae; Tertiary; near Pondicherry, southern India.
- CANNAITES** Trivedi and Verma, 1971.
- Cannaites intertrappea* Trivedi and Verma, 1971, p. 174-185, figs. 1-4; pls. 29, 30, figs. 1-12; pseudostem and root, Cannaceae; Eocene; Mohgaonkalen, Chhindwara district, Madhya Pradesh, India.
- CARINOSTROBUS** Baxter, 1971.
- Carinostrobus foresmani* Baxter, 1971, p. 125-128, figs. 1, 2; pls. 33-36, figs. 1-17; cone, Lycophyta; Middle Pennsylvanian; north of Hallowell, Kansas, U.S.A.
- CARPATHOPORELLA** Dragastan, 1967.
- Carpathoporella occidentalis* Dragastan, 1967, p. 444-446, pl. 1, figs. 7-9; calcareous algae; Upper Jurassic, and Lower Cretaceous; Mount Apuseni, Rumania.
- CATANGOPHYTON** Malich, 1966.
- Catangophyton antiquum* Malich, 1966, p. 1207-1209, fig. 1a-b; shoots, incertae sedis; Upper(?) Cambrian; basin of the Velmo river, left tributary of the Podkamennaya Tunguska, western part of the Siberian platform, U.S.S.R.
- CATENOPTERIS** Phillips and Andrews, 1966.
- Catenopteris simplex* Phillips and Andrews, 1966, p. 122-123, figs. 1-13; fernlike stem, pteridophyte; Upper Carboniferous; Lawrence County, Illinois, U.S.A.
- CATINELLA** Pflug, 1966.
- Catinella polymorpha* Pflug, 1966, p. 65-66, pl. 27, figs. 10-15, 17-68, 70-74; pl. 28, figs. 4, 5; ?algae, ?Cyanophyta; Precambrian; Idaho-Montana, U.S.A.
- CAUCASIA** Anisimova, 1973.
- Caucasia ginkgophylloides* Anisimova, 1973b, p. 138-139, 2 figs., fronds with leaves, Ginkgoales; Middle Carboniferous; north Caucasus, U.S.S.R.
- CAUDOMORPHA** Vologdin, 1962.
- Caudomorpha cataphracta* Vologdin, 1962, pt. 2, fig. 19; pl. 16, figs. 1-4; microscopic algae; Lower Cambrian; region of the Angara above the mouth of the Agaleevo river, U.S.S.R.
- CERCIDIPHYLLOXYLON** Prakash, Březinová and Bůžek, 1971.
- Cercidiphylloxylon kadanense* Prakash, Březinová and Bůžek, 1971, p. 110-112, pl. 36, fig. 34; pl. 37, figs. 35, 36; gymnospermous wood, Cercidiphyllaceae; Oligocene; Doupovské Hory mountains, northern Bohemia, Czechoslovakia.
- CHAPELIA** Beck and Bailey, 1967.
- Chapelia campbellii* Beck and Bailey, 1967, p. 998-1007, figs. 1-27; ?pteridosperm petiole; Upper Devonian or Lower Mississippian; near Jacob's Chapel, north of New Albany, Indiana, U.S.A.
- CHEIRORHIZA** Krasilov, 1970.
- Cheirorhiza brittae* Krasilov, 1970, p. 132-141, figs. 1-3; pl. 11, figs. 4-8; pl. 12, figs. 1-10; leafy liverwort, Jungermanniales; Upper Jurassic; right bank of the Bureya river; Khabarovsk Territory, eastern Siberia, U.S.S.R.
- CHLIDANOPHYTON** Gensel, 1973.
- Chlidanophyton dublinensis* Gensel, 1973, p. 145, figs. 1-6; pls. 33-40, figs. 1-22; plants with erect main axes bearing spirally arranged branch systems; incertae sedis (? Coenopteridopsida or ? Progymnospermopsida); Lower Mississippian; Pulaski County, Virginia, U.S.A.
- CHLUPACIA** Obrhel, 1969.
- Chlupacia moravica* Obrhel, 1969, p. 56-57, pl. 1, fig. 4; pl. 2, figs. 1-4; pl. 3, figs. 1, 2; woody axes, incertae sedis; Middle Devonian; Chabičov, Moravia, Czechoslovakia.
- CHOMENTOVSKIA** Vologdin, 1962.
- Chomentovskia vesiculosa* Vologdin, 1962, pt. 2, p. 516-518, figs. 27, 28a, b; pl. 22, fig. 3; pl. 24, figs. 1-3; stromatolite, Trichostromaceae; Ordovician; left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.
- CHOMUSTACHIA** Korde, 1973.
- Chomustachia tuberosa* (= *Chabakovia tuberosa* Korde, 1961) Korde, 1973, p. 156-157, pl. 29, fig. 2; algae, Parachabakovi-

- aceae; Lower Cambrian; Kiya river, Kuznetskiy Alatau, Amga river, Yakutsk, U.S.S.R.
- CIRCONITELLA** Watson, 1969.  
*Circonitella knowltoni* (Seward) Watson, 1969, p. 214-217, figs. 2-6; pl. 1, figs. 1-5; fruit, thallophyte; Wealden; England.
- CIRRIPHYCUS** Vologdin, 1962.  
*Cirriphycus ordinatus* Vologdin, 1962, pt. 1, p. 244-247, figs. 47, 48; pl. 46, fig. 1; stromatolite, Telastromataceae; Sinian; lower Nizhney Tunguska, right bank, above Durnoy cape, Turukhansk area, U.S.S.R.
- CODIAEPHYLLUM** Rásky, (1965) 1966.  
*Codiaephyllum palaeovarigatum* Rásky, (1965) 1966, p. 266, pl. 3, figs. 9-11; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- COLCHIDIA** Kolakovskii and Schakryl, 1968.  
*Colchidia angustissima* Kolakovskii and Schakryl, 1968, p. 67-69, pl. 6, figs. 1, 2; needle petrifications and impressions, compared with *Cathaya*, Pinaceae; Miocene, Sarmatian; northern foot of the Kavaluk upland near Barmysh and Mugudzyrkha villages, Abkhaz, U.S.S.R.
- COLUMNARIA** Vologdin, 1962.  
*Columnaria turuchanica* Vologdin, 1962, pt. 1, p. 235-238, fig. 44; pl. 43, figs. 1-3; stromatolite, Vesiculariaceae; Sinian; right bank of the Yenisey above Miroedikh village, Turukhansk region, U.S.S.R.
- COMPSOSTROBUS** Delevoryas and Hope, 1973.  
*Compsostrobus neotericus* Delevoryas and Hope, 1973, p. 815-816, figs. 1-12, 14, 15, 17, 26, 27; ovulate conifer cone, Compsostrobaceae; Upper Triassic; Deep River basin, North Carolina, U.S.A.
- CONCARYON** Loubiere, 1956.  
*Concaryon renaulti* Loubiere, 1956, p. 492-494, figs. 1-3, seed, Pteridospermes-Mesocaryales; Upper Carboniferous; La Grand'Croix, south-central France.
- CONCRESCERARIA** Vologdin, 1962.  
*Concresceraria subrotunda* Vologdin, 1962, pt. 2, p. 540-542, fig. 35; pl. 48, figs. 1-3; algae, Actinophyceae; Lower Cambrian; right bank of the Angara before the mouth of the Agraleev river, U.S.S.R.
- CONIPORELLA** Fischer and Thierry, 1971.  
*Coniporella clavaeformis* (d'Archaic, 1843) Fischer and Thierry, 1971, p. 28-31, figs. 2a-b, 4a-c, 5; algae, Dasycladaceae; Middle Jurassic, Aisne, France.
- CONNEXIA** Kochansky Devidé, 1970.  
*Connexia fragilis* Kochansky-Devidé, 1970, p. 19-21, pl. 4, fig. 1; pl. 6, fig. 5; pl. 11, figs. 1-14; pl. 12, figs. 1-4; pl. 15, fig. 1; alga, Dasycladaceae; Middle Carboniferous; near Ricice village, southern Croatia, Velebit mountains, Yugoslavia.
- COPAIFEROXYLON** Müller-Stoll and Mädel, 1967.  
*Copaiferoxylon migiurtinum* (Chaiarugi) Müller-Stoll and Mädel, 1967, p. 133-134; wood, Leguminosae; Miocene; Somaliland.
- CORBULARIA** Vologdin, 1962.  
*Corbularia conglutinata* Vologdin, 1962, pt. 2, p. 538-540, fig. 34a, b; pl. 32, figs. 1-3; stromatolite, Actinophyceae; Lower Cambrian; area of Irkinevo, right tributary of the Angara, slightly below the mouth of the Chugumey, Krasnoyarskiy Kray, U.S.S.R.
- CORNUTULA** Korde, 1973.  
*Cornutula kaltatica* Korde, 1973, p. 122-123, pl. 8, fig. 2; algae, Cornutulaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.
- CORONICUTIS** Roselt and Schneider, 1969.  
*Coronicutis hartauensis* Roselt and Schneider, 1969, p. 77-78, fig. 27; pl. 19, figs. 3, 4; cuticle of undetermined dicotyledon; lower Miocene; Hartau near Zittau, East Germany.
- CORYLOCARPINUS** Straus, 1969.  
*Corylocarpinus zaferowae* Straus, 1969, p. 173-174; pl. 30, figs. 49a, 49b; angiospermous fruit; Pliocene; Willershausen, Germany.
- CORYLOXYLON** Prakash, Březinová and Bůžek, 1971.  
*Coryloxylon nemejcii* Prakash, Březinová and Bůžek, 1971, p. 116-118, pl. 40, figs. 48-52; wood, Betulaceae; Oligocene; Doupovské hory mountains, northern Bohemia, Czechoslovakia.
- CORYPHIOCARPUS** Koch, 1972.  
*Coryphiocarpus globoides* Koch, 1972a, p. 23-28, fig. 10; pl. 4, figs. 8A-B; pl. 16, figs. 1A-C; pl. 18, figs. 1-3; seed, Coryphae; Upper Cretaceous; Nūgssuaq, West Greenland.



- CORYPHOIDES* Kóch, 1972.  
*Coryphoides poulsenii* Koch 1972b, p. 7-27, figs. 2-8; pls. 1-13, and 17, fig. 2; fruit, Palmae; Upper Cretaceous; Nügssuaq, West Greenland.
- COSTICUTIS* Roselt and Schneider, 1969.  
*Costicutis parvicellareata* Roselt and Schneider, 1969, p. 65, pl. 10, fig. 1; cuticle of the upper side of angiospermous leaves; middle Miocene; Lower Lusatia, East Germany.
- CONTEXTA* Gnilovskaya, 1972.  
*Contexta binata* Gnilovskaya, 1972, p. 108-110, fig. 47, pl. 12, fig. 2; alga, Moniliporellaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- CRASSOFILICITES* Bock, 1969.  
*Crassofilicites wherryi* Bock, 1969, p. 162-167, figs. 252-264; taeniopterid foliage; Triassic; Carversville, Pennsylvania, U.S.A.
- CRENATICAULIS* Banks and Davis, 1969.  
*Crenaticaulis cerruculosus* Banks and Davis, 1969, p. 444-445, figs. 1-21, 23-31, 34-35; pteridophyte; Lower Devonian; north shore of Gaspé Bay, Gaspé Peninsula, Quebec, Canada.
- CRETACICRUSTA* Elliott, 1972.  
*Cretacicrusta dubiosa* Elliott, 1972a, p. 501-503, pl. 100, figs. 1-4; pl. 101, figs. 1, 2; ?algae, Rhodophyta; Lower Cretaceous; Farlington, England.
- CRINITELLA* Gnilovskaya, 1972.  
*Crinitella radiata* Gnilovskaya, 1972, p. 134-136, fig. 36; pl. 15, fig. 4; alga, incertae sedis; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- CRISPOPHYCUS* Vologdin, 1962.  
*Cryspophycus sibiricus* Vologdin, 1962, pt. 1, p. 302-303, fig. 81; algae, Scandophycaceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- CROSSOPTERIS* Tidwell, 1967.  
*Crossopteris utahensis* Tidwell, 1967, p. 45-48, figs. 4A, 5A-D; pl. 3, fig. 7; pl. 6, fig. 1; pl. 10, fig. 8; pinnales; Lower Pennsylvanian; Utah, U.S.A.
- CRUSTOPHYCUS* Vologdin, 1962.  
*Crustophycus angaricus* Vologdin, 1962, pt. 1, p. 195-199, figs. 22, 23, pl. 20, figs. 1-7; pl. 21, figs. 1-3; stromatolite, Crustophycaceae; lower Sinian; right bank of the Angara river beyond Kamenka village, Krasnoyarskiy Kray, central Siberia, U.S.S.R.
- CUPRESSOCONUS* Kilpper, 1968.  
*Cupressoconus thompsoni* (Brown MS in Schloemer-Jäger, 1960) Kilpper, 1968, p. 165-166; gymnospermous cones; Tertiary; Germany.
- CYANOSTROMA* Vologdin, 1962.  
*Cyanostroma turuchanicum* Vologdin, 1962, pt. 1, p. 287-292, figs. 71-74; pl. 68, figs. 1, 2, pl. 69, fig. 1; pl. 70, figs. 1, 2; stromatolite, Plexostromataceae; middle Sinian; Nizhney Tunguska, Durnogo region, U.S.S.R.
- CYATHOFORMA* Bock, 1969.  
*Cyathoforma carolinensis* (Emmons) Bock, 1969, p. 119-127, figs. 190-100; for *Pecopteris carolinensis* Emmons, 1856; fern, Cyatheaceae; Triassic; Winterpock, Virginia, U.S.A.
- CYCADENIA* Bock, 1969.  
*Cycadenia elongata* Bock, 1969, p. 208-213, figs. 329-337; ?cycadalean trunks; Triassic; Gwynedd, Pennsylvania, U.S.A.
- CYCULARIA* Vologdin, 1969.  
*Cycularia orbiculata* Vologdin, 1969, p. 1379, fig. 4; blue-green algae, Shanganellaceae; Lower Cambrian; Ulug-Shangan canyon, Tuva, southern Siberia, U.S.S.R.
- CYNEPTERIS* Ash, 1969.  
*Cynepteris lasiophora* Ash, 1969, p. D31-D38, figs. 15, 16; pl. 2, figs. 1-5; pl. 3, figs. 1-7; pinnate fern leaf, Cynepteridaceae; Upper Triassic; Fort Wingate area, New Mexico, U.S.A.
- CYSTOSTROMA* Vologdin, 1962.  
*Cystostroma varians* Vologdin, 1962, pt. 1, p. 276-278, figs. 65; pl. 63, figs. 1-4; stromatolite, Sarmallaceae; upper Sinian; Burul'deyka river, western Cisbaikal, U.S.S.R.

D

- DACRYDIOXYLON* Greguss, 1967.  
*Dacrydioxyylon estherae* Greguss, 1967, p. 34-36, pl. 22, figs. 1-14; gymnospermous wood, Podocarpaceae; lower Oligocene; Solymár, Hungary.
- DAMMAROXYLON* Schultz-Motel, 1966.  
*Dammaroxyylon africanum* Schultz-Motel, 1966, p. 281-283, fig. 1; pl. 38, figs. 1-6; pl. 39, figs. 7-11; gymnospermous wood, Araucariaceae; Upper Cretaceous; East Pondoland, South Africa.



**DAMUDOXYLON** Maheshwari (1966) 1967.

*Damudoxylon waltonii* Maheshwari (1966) 1967, p. 247-250, figs. 4-7; pl. 3, figs. 15-19; gymnospermous wood; Upper Permian; West Jamuria colliery, Raniganj coalfield, Bengal, India.

**DARNEYA** Schaarschmidt and Maubeuge, 1969.

*Darneya pelata* Scharrschmidt and Maubeuge, 1969, p. 377-391, figs. 1-14; pl. 1, figs. 1a-3b; pl. 2, figs. 4-13; pl. 3, figs. 14a-16; male gymnospermous fructification; Lower Triassic; Darney, Vosges Department, eastern France.

**DASYCIRRIPHICAS** Vologdin, 1962.

*Dasycirriphycas fructiculosus* Vologdin, 1962, pt. 2, p. 487-488, fig. 6; pl. 7, figs. 2, 3; algae, incertae sedis; Lower Cambrian; region of the upper course of the Lena, Manzurka river valley, Irkutsk Oblast, U.S.S.R.

**DECHELLYIA** Ash, 1972.

*Dechellyia gormani* Ash, 1972a, p. 607-613, figs. 6A-C; pls. 115-118; leafy shoot and foliage, Coniferales; ?family; Upper Triassic; mouth of Canyon de Chelly, Arizona, U.S.A.

**DICHROSTACHYOXYLON** Müller-Stoll and Mädél, 1967.

*Dichrostachyoxylon acaciaeforme* Müller-Stoll and Mädél, 1967, p. 138-140, fig. 10; pl. 36, figs. 74-76; wood, Leguminosae; Severin province, Rumania.

**DICTYOCLAVATOR** Grambast, 1966.

*Dictyoclavator fieri* (Donze, 1955) Grambast, 1966, p. 2210; charophyte, Clavatoraceae; Jurassic-Cretaceous boundary; Jura, Alpes-Maritimes regions, and Provence regions, France.

**DIECTOCHARA** Musacchio, 1971.

*Diectochara andica* Musacchio, 1971, p. 24-35, fig. 4; pl. 1; figs. 8-10; pl. 2, figs. 24-29; pl. 3, figs. 30-38; charophyte fructification; Lower Cretaceous; Neuquen province, Argentina.

**DIGITULARIA** Vologdin, 1962.

*Digitularia inconcinna* Vologdin, 1962, pt. 2, p. 530-531, 532-533, fig. 33, pl. 35, figs. 1-4; algae, Trichostromaceae; Ordovician; area of the Angara river above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.

**DIKIMDINELLA** Kolosov, 1966.

*Dikimdinella privica* Kolosov, 1966,

p. 979-980, figs. IC', IC''; algae, Anabaenaceae; Precambrian; Oljekma river basin, Yakut SSR.

**DILLENIOXYLON** Gregus, 1969.

*Dillenioxylon mikofalvense* Gregus, 1969, p. 26-27, pl. 11, figs. 1-10; wood, close connection with Dilleniaceae; Sarmatian; Mikofalva, Hungary.

**DINOPHYTON** Ash, 1970.

*Dinophyton spinosus* Ash, 1970, p. 650-651, figs. 2-6; pls. 122-124; gymnospermous shoots with foliage; Texas, New Mexico, and Arizona, southwestern U.S.A.

**DISTICHOPLAX** Pia, 1934.

*Distichoplax biserialis* (Dieterich) Pia, 1934, p. 15-18, figs. 5-8; for *Lithothamnium biserialis* Dieterich, 1927; calcareous algae, Melobesidae; Eocene; eastern Iran.

**DIVERSIPHYLLUM** Bůžek, 1971.

*Diversiphyllum aesculapi* (Heer, 1856) Bůžek, 1971, p. 86-89, fig. 13, pl. 41, figs. 1-14; pl. 42, figs. 1-11; leaves, query Convolvulaceae; Tertiary; Petipsy area (north Bohemian basin), Czechoslovakia.

**DIVERSOCALLIS** Dragastan, 1967.

*Diversocalis undulatus* Dragastan, 1967, p. 450-451, pl. 8, figs. 52-56; calcareous algae; Upper Jurassic and Lower Cretaceous; Mount Apuseni, Rumania.

**DIVERSOPORELLA** Gnilovskaya, 1972.

*Diversoporella cognata* Gnilovskaya, 1972, p. 91-93, fig. 41; pl. 9, fig. 5; alga, Codiaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.

**DIXOPODOXYLON** Fairon-Demaret, 1969.

*Dixopodoxylon goense* Fairon-Demaret, 1969, p. 372-386, 18 figs.; fragment of a stemlike axis, incertae sedis; Middle Devonian; Goe, Belgium.

**DOLIANITIA** Millan, 1967.

*Dolianitia opposita* Millan, 1967, p. 5-8, pl. 1, figs. 1-5; pl. 2, fig. 1; glossopteris female fructification; Upper Carboniferous; Santa Catarina State, Brazil.

**DOLIPORELLA** Gnilovskaya, 1972.

*Doliporella binata* Gnilovskaya, 1972, p. 98-100, fig. 44; pl. 8, fig. 6; alga, Codiaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.

**DUABANGOXYLON** Prakash and Awasthi, (1969) 1970.

*Duabangoxylon tertiarum* Prakash and Awasthi, (1969) 1970, p. 38-40, pls. 5-6, figs. 24-32; silicified wood, compared with modern wood,

Sonneatiaceae; Tertiary; near Jaipur, Assam, India.

**DUSEMBAYA** Dorofeev, 1973.

*Dusembaya turgaica* (Dorofeev, 1963) Dorofeev, 1973, p. 107-110, pl. 12, figs. 10-15; seed, Cabomba-  
ceae; Oligocene; Kazakhstan, U.S.S.R.

**DZERGALANELLA** Genkina, 1966.

*Dzergalanella dzerganensis* Genkina, 1966, p. 54-55, pl. 5, figs. 4-8; foliage, Sorocaulaceae; lower Mesozoic; Issyk-Kul depression, northern Kirghiz, U.S.S.R.

**DZHUNGARODENDRON** M. I. Radchenko, 1967.

*Dzhungarodendron novikae* M. I. Radchenko, 1967, p. 38-39, pl. 8, figs. 1-5; lycopod stem; Carboniferous; Dzhungariya, southeastern Kazakhstan.

## E

**ECHANINIA** Vologdin and Drosdova, 1969.

*Echaninia mucosa* Vologdin and Drosdova, 1969b, p. 440-441, figs. 1-1-3; alga, Echaniniaceae; Precambrian; Batenev ridge, central Siberia, U.S.S.R.

**EDDYA** Beck, 1967.

*Eddyia sullivanensis* Beck, 1967, p. 1-20, figs. 1-25; pls. 1-7; leaves and stem, query gymnosperm, incertae sedis; Upper Devonian; Pond Eddy, Sullivan County, New York, U.S.A.

**ELEGANOPTERIS** Mogucheva, 1969.

*Eleganopteris tripannata* Mogucheva, in Mogucheva and Il'ina, 1969, p. 131-135, pl. 1, figs. 1-8; Filicales, incertae sedis; Lower Triassic; Tunguska syncline, U.S.S.R.

**ELIGODENDRON** Archangelsky and Le La Sota, 1966.

*Eligodendron braniase* Archangelsky and Le La Sota, 1966, p. 17-26, fig. 1; pls. 1, 2; lycopod stem; Permian; Copacabana Peninsula, Bolivia.

**EMBERGERELLA** Grambast, 1969.

*Embergerella cruciata* Grambast, 1969, p. 879, 881, pl. 2, figs. 8a-14; charophyte, Clavatoraceae; Cretaceous; Alcalá Vega, Teruel province, Spain.

**EMBERGERIXYLON** Lemoigne, 1968.

*Embergerixylon alpinum* (Y. Lemoigne) Lemoigne, 1968, p. 155-156, pl. 13, figs. 1-5; gymnospermous wood; Upper Jurassic; Hautes-Alpes, France.

**ENORMICUTIS** Schneider, 1969.

*Enormicutis amplicavata* Schneider, 1969, p. 24-25, pl. 8, figs. 2, 3;

cuticle, Taxodiaceae; upper Oligocene; Tagebau Holzwiessig near Bitterfeld, central Germany.

**ENTSOVIA** Meyen, 1969.

*Entsovia rarisulcata* Meyen, 1969a, p. 93-96, figs. 1-3; pl. 14, figs. 1-6; teniate leaves, incertae sedis; Permian; eastern European part of the U.S.S.R.

**EOHOSTIMELLA** Schopf, 1966.

*Eohostimella heathana* Schopf, in Schopf and others, 1966, p. D71-D72; fig. 2c-r; erect axes, incertae sedis; Lower Silurian; Aroostock County, Maine, U.S.A.

**EOLEPIDOLPHLOIOS** M. I. Radchenko, 1967.

*Eolepidophloios quadratus* M. I. Radchenko, 1967, p. 39-40, pl. 9, figs. 1-3; lycopod stem; Carboniferous; Dzhungariya, southeastern Kazakhstan, U.S.S.R.

**EOLITHOPORELLA** Johnson, 1966.

*Eolithoporella dawsoni* Johnson, 1966, 1386-1386, pl. 176, figs. 9, 10; red algae, ?Solenoporaceae; Mississippian; Along South Berland River, north of Jasper National Park, Alberta, Canada.

**EORHIZA** Robison and Person, 1973.

*Eorhiza arnoldii* Robison and Person, 1973, p. 1374-1378, pls. 1-4, figs. 1-20; dicotyledonous rhizomes, order and family incertae sedis; Eocene; British Columbia, Canada.

**EPIPHYTONOIDES** Korde, 1973.

*Epiphytonoides sanashtykgolicus* Korde, 1973, p. 193-194, 197-198, pl. 40, figs. 1, 2; algae, Epiphyta-  
ceae; Lower Cambrian; Sanashtykgol river, left tributary of Abakan river, western Sayan, U.S.S.R.

**EPISTACHEOIDES** Petryk and Mamet, 1972.

*Epistacheoides nephroformis* Petryk and Mamet, 1972, p. 787, 789, 791, fig. 6; pl. figs. 1-10; algae, Etherington Formation, lower Carboniferous; southwestern Alberta, Canada.

**EQUISETOPHYTON** Schweitzer, 1972.

*Equisetophyton praeceox* Schweitzer, 1972, p. 170-173, fig. 14; pl. 39, figs. 4, 5; equisetalean stem; Middle Devonian; Lindlar, Rheinland, West Germany.

**ERBINA** Korde, 1973.

*Erbina aristata* Korde, 1973, p. 142-143, fig. 24; pl. 19, figs. 1-3; pl. 20, fig. 1; algae, Erbinaceae; Lower Cambrian; Kuznetskiy Alatau, Batenev ridge, and area of Sukhaya Erba village, southeast of Dolgiy Mys mountains, U.S.S.R.



**ERYTHROPHLOEOCOXYLON**

Müller-Stoll and Mädél, 1967,

*Erythrophloeocoxylon varians* (Felix) Müller-Stoll and Mädél, 1967, p. 118-120, fig. 5; pl. 29, figs. 27, 28; wood, Leguminosae; Oligocene; West Indies.**ESTHERELLA** Boersma and Visscher, 1969.*Estherella gracilis* Boersma and Visscher, 1969, p. 58, figs. 2, 3; pl. 1, fig. 1; pl. 2, fig. 2; dichotomous plant, incertae sedis; Upper Permian; southern France.**EUCASPSIPHORA** Cloud and Semikhatov, 1969.*Eucapsiphora paradisica* Cloud and Semikhatov, 1969, p. 1039-1040, fig. 8; pl. 4, figs. 1-3; stromatolite; Paradise Creek Formation, Proterozoic, north-Western Queensland, Australia.**EUACICIOXYLON** Müller-Stoll and Mädél, 1967.*Euacicioxylon bharadwajii* (Navale) Müller-Stoll and Mädél, 1967, p. 137; wood Leguminosae; Tertiary; India.**EUPALAEOSTACHYA** Ishchenko, 1965.*Eupalaeostachya devonica* Ishchenko, 1965, p. 48-50, pl. 17, figs. 1-6; stems with sporangia, Sphenopsidea; Middle Devonian; Donets basin, Ukrainian SSR.**EXVOTARISELLA** Elliott, 1970.*Exvotarisella maponi* Elliott, 1970a, p. 446-449, pl. 82, figs. 1-5; pl. 83, figs. 1-5; algae, Dasycladaceae; Lower Carboniferous; Northumberland, Great Britain.

## F

**FALCICUTIS** Schneider, 1969.*Falcicutis varians* Schneider, 1969, p. 21, 22, fig. 3; pl. 5, figs. 3-5; pl. 6, figs. 1-6; cuticle, Leguminosae; middle Miocene; Upper Lusatia, east-central Germany.**FAUEROXYLON** Koeniguer, 1970.*Faueroxylon princeps* Koeniguer, 1970, p. 143-148, figs. 1, 2; paleo-xylotomous wood; post-Eocene; Termit massif. Republic of Niger, western Africa.**FAVOPORELLA** Sokač, 1968.*Favoporella annulata* Sokač, 1968, p. 207-212, fig. 1; pls. 1-4; calcareous algae, Dasycladaceae; Middle Triassic; Velebit mountain, western Croatia, Yugoslavia.**FIBROSTROMA** Vologdin, 1962.*Fibrostroma fibrillatum* Vologdin, 1962, pt. 1, p. 261-262, fig. 57; pl. 53, figs. 1, 2; stromatolite, Tricho-

stromataceae; Sinian; Kurtun river, right tributary of the Burul'deyka river, southwestern Cisbaikal, U.S.S.R.

**FILARIA** Korde, 1973.*Filaria seriata* Korde, 1973, p. 129-130, pl. 12, fig. 1; algae, Cambriaceae; Lower Cambrian; Bazaiha river, eastern Sayan U.S.S.R.**FILIPHYCUS** Vologdin, 1962.*Filiphyucus longifolius* Vologdin, 1962, pt. 2, p. 544-546, fig. 38; pl. 44, figs. 1, 2; pl. 45, figs. 1, 2a; stromatolite, Chlorophyta; Ordovician; left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.**FILLOSTROMA** Vologdin, 1962.*Fillostroma moticum* Vologdin, 1962, pt. 1, p. 307-309, figs. 85, 86; pl. 74, fig. 2; stromatolite, Lamellostromataceae; Lower Cambrian; Borlog river, southwestern Cisbaikal, U.S.S.R.**FINIVERSICUTIS** Roselt and Schneider, 1969.*Finiversicutis papillosa* Roselt and Schneider, 1969, p. 64-65, pl. 8, fig. 4; cuticle of undetermined axis, probably dicotyledonous; middle Miocene; Sedlitz, Lower Lusatia, East Germany.**FISTULELLA** Korde, 1973.*Fistulella decipiens* Korde, 1973, p. 217-218, fig. 10, pl. 66, fig. 2, 3; algae, Fistulellaceae; Early Cambrian; Serlig river, eastern Tannu-Ola, Tuva, U.S.S.R.**FLEXIA** Vologdin, 1962.*Flexia densiuscula* Vologdin, 1962, pt. 2, p. 529-530, pl. 33, figs. 1-3; stromatolite, Trichostromataceae; Lower Ordovician; lower Cisan-gara and left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.**FLORINIA** Sveshnikova, 1967.*Florinia vilujensis* Sveshnikova, 1967, p. 186-187, pl. 12, figs. 9, 10; fragment of coniferous leaf epidermis, Taxaceae; Upper Cretaceous; Vilyui river, western Yakut SSR.**FONINIA** Korde, 1973.*Foninia fasciculata* Korde, 1973, p. 108-109, pl. 1, fig. 2; algae, Foninaceae; upper Proterozoic; Kuznetskiy Alatau, Batenev ridge, U.S.S.R.**FORTOPTERIS** Boersma, 1969.*Fortopteris latifolia* (Zeiller, 1878) Boersma, 1969, p. 68-69, figs. 1, 2; pls. 1-4; fertile frond, fern; Upper Carboniferous; coal basin of

the Departments Nord and Pas-de-Calais, France.

**FURCATOPORELLA** Gnilovskaya, 1972.

*Furcatoporella coalita* Gnilovskaya, 1972, p. 119-120, fig. 52; pl. 13, figs. 1-4; alga, Moniliporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.

G

**GALINIA** Vologdin, 1962.

*Galinia eximia* Vologdin, 1962, pt. 2, p. 521-524, fig. 30; pl. 26, figs. 1-3; pl. 27, figs. 1-3; pl. 28, figs. 1-3; pl. 32, fig. 1; stromatolite, Trichostromaceae; Lower Ordovician; Boguchany village, Krasnoyarskiy Kray, U.S.S.R.

**GEORGIANA** Walter, 1972.

*Georgiana howchini* Walter, 1972, p. 113-115, fig. 28, pl. 6, fig. 5; pl. 12, figs. 4, 5; stromatolite; Lower Cambrian or Vendian; Georgiana basin, Northern Territory, Australia.

**GETAEIA** Dragastan, (1972) 1973.

*Getaeia pontica* Dragastan, (1972) 1973, p. 82-85, figs. 7-3; alga; Lower Cretaceous; northern basin of Babadag-Dobrogea, Rumania.

**GINKGOITOCCLADUS** Krasilov, 1972.

*Ginkgoitocladus burejense* Krasilov, 1972, p. 37-38, fig. 5a-b; pl. 6, figs. 1-4, 8-10; foliage, Ginkgoaceae; Lower Cretaceous; left bank of the Bureya river below the mouth of the Adnikan river, Kabarovsk Kray, U.S.S.R.

**GLEDITSIOXYLON** Müller-Stoll and Mädler, 1967.

*Gleditsioxylon columbian* (Prakash and Barghoorn) Müller-Stoll and Mädler, 1967, p. 148-149, wood, Leguminosae; Miocene; Columbia River near Vantage, Washington, U.S.A.

**GLEICHENOIDES** Kon'no, 1968.

*Gleichenoides gagauensis* Kon'no, 1968, p. 140-141, fig. LA-D; pl. 24, fig. 8; frond; Upper Mesozoic, Malaya.

**GLOMEOPHYCUS** Vologdin, 1962.

*Glomeophycus filipendulus* Vologdin, 1962, pt. 2, p. 499-500, fig. 15; pl. 11, fig. 1; stromatolite, Vesiculariaceae; Lower Cambrian; basin of the upper course of the Lena, Manzurka river valley, U.S.S.R.

**GLOSSOTHECA** Surange and Maheshwari, 1970.

*Glossotheca utakalensis* Surange and Maheshwari, 1970, p. 180-181, figs. 1-4; pl. 40, figs. 1-5; pl. 41, figs. 6-12; male fructification, Glossop-

teridales, Upper Permian; Orissa, India.

**GLOTTOLEPIS** Bose and Srivastava, (1969) 1970.

*Glottolepis rugosa* Bose and Srivastava (1969) 1970, p. 215-216, figs. 1a-c; pl. 1, figs. 1-9; scale leaves, incertae sedis; Lower Triassic; Nidpur, Sidhi district, Madhya Pradesh, India.

**GOBICHARA** Karczewska and Ziembinska-Tworzydlo, 1972.

*Gobichara deserta* Karczewska and Ziembinska-Tworzydlo, 1972, p. 72-75, figs. 10, 11; pl. 15, figs. 1-5; pl. 16, figs. 1-6; pl. 19, fig. 1; fruit, Charophyta; lower Tertiary; Nemegt basin, Gobi Desert, Mongolia.

**GORDONOPHYTON** Korde, 1973.

*Gordonophyton distinctum* Korde, 1973, p. 198-199, figs. 21, 47; pl. 40, fig. 4; pl. 41, fig. 1; algae, Epiphytaceae; Lower Cambrian; Bayankol river, Tuva and the southern Urals, U.S.S.R.

**GORLOVELLA** Vologdin, 1970.

*Gorlovelia obvoluta* Vologdin, 1970, p. 1164, fig. 1a; unicellular microscopic algae; Vesiculariaceae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.

**GOWERI** Wolfe, 1968.

*Goweri dilleri* (Knowlton, 1900) Wolfe, 1968, p. 20-21, fig. 13, pl. 7, figs. 1, 2; leaves, Menispermaceae; lower Tertiary; King County, Washington, U.S.A.

**GRENLULARIA** Vologdin, 1970.

*Grenularia borissovi* Vologdin, 1970, p. 1165, fig. 1b; algae, Agamuseae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.

**GRUNERIA** Cloud and Semikhatov, 1969.

*Gruneria biwabikia* Cloud and Semikhatov, 1969, p. 140-142, pl. 3, figs. 1-3 (also Cloud, 1965, figs. 1, 2); stromatolite; Proterozoic; Minnesota, U.S.A.; Ontario, Canada; and western Australia.

**GUPTIORACHIS** Sharma, 1971.

*Guptiorachis amarjolense* Sharma, 1971, p. 150-151, fig. 1; pl. 1A-E; fern petioles; Middle Jurassic; Armajola, Rajmahal Hills, Bihar, India.

**GUPTIOXYLON** Sharma, 1969.

*Guptioxylon amarjolense* Sharma, 1969, p. 145-153, table 1; figs. 1-5; pl. 26, figs. 1-7; pl. 27, figs. 8-12; pl. 28, figs. 13-18; wood, having correlations with both Pentoxyleae and Medulloseae; Jurassic; Armajola, Rajmahal Hills, India.



- GUSICHIA* Chirkova-Zallesskaya, 1959.  
*Gusichia furcata* Chirkova-Zallesskaya, 1959, p. 76-77, fig. 56, sporangia, incertae sedis; Devonian; Ural-Volga areas, U.S.S.R.  
*GUTTOPORELLA* Gnilovskaya, 1972.  
*Guttoporella densa* Gnilovskaya, 1972, p. 132-134, fig. 55; pl. 15, fig. 3; alga, incertae sedis; Upper Ordovician; eastern Kazakhstan, U.S.S.R.

## H

- HALLETHECA* Taylor, 1971.  
*Halletheca reticulatus* Taylor, 1971, p. 300-307, figs. 1-16; pteridosperm; Pennsylvanian; Berryville, Lawrence County, Illinois, U.S.A.  
*HARLANJOHNSONELLA* Elliott, 1968.  
*Harlanjohnsonella annulata* Elliott, 1968, p. 494-495, pl. 93, figs. 1, 2; pl. 94, figs. 1, 2; algae, Dasycladaceae; Upper Cretaceous; Zlatibor area, southwestern Serbia, Yugoslavia.  
*HARRISOCARPON* Chitaley and Namburdi, 1973.  
*Harrisocarpon sahnii* Chitaley and Namburdi, 1973, p. 36-41, figs. 1-4; pl. 1, figs. 1-6; dicotyledonous fruit, incertae sedis; ?uppermost Cretaceous; Mohgaon-kalan, Chhindwara district, Madhya Pradesh, India.  
*HARRISOSTROBUS* Chitaley and Sheikh, 1973.  
*Harrisostrobos intertrappea* Chitaley and Sheikh, 1973, p. 25-30, figs. 1-7; pls. 10, 11; gymnospermous cone; Deccan Intertrappean Series, uppermost? Cretaceous; Mohgaon-kalan, Chhindwara district, Madhya Pradesh, India.  
*HELICONIAITES* Trivedi and Verma, 1972.  
*Heliconiaites mahgoanensis* Trivedi and Verma, 1972, p. 74-79, figs. 1-4; pls. 46-48, figs. 1-16; monocotyledonous leaf; lower Eocene; Madhya Pradesh, India.  
*HEMIPHYLLUM* Lemoine, 1969-70.  
*Hemiphyllum ataticum* Lemoine, 1969-70, p. 169-172, pl. 3, figs. 1, 2; pl. 4, figs. 1, 2; pl. 5, fig. 2; coralline algae; Cretaceous; southern France.  
*HERAKELLA* Kochansky-Devidé, 1970.  
*Herakella paradoxa* Kochansky-Devidé, 1970, p. 21-25, pl. 5, fig. 1; pl. 12, figs. 4-9; pl. 13, figs. 1-11; pl. 14, figs. 1-13; pl. 15, figs. 1, 2; algae; Middle Carboniferous; near Ričice village, southern Croatia, Velebit mountains, Yugoslavia.  
*HETEROPORELLA* Pratlurion, 1966.  
*Heteroporella lepina* Pratlurion, 1966, p. 202-205, fig. 1, pls. 51, 52; calcareous algae, Dasycladaceae; Upper Cretaceous; central Apennines, Italy.  
*HILLISTROBUS* Chandler, 1966.  
*Hillistrobos axelrodi* Chandler, 1966, p. 158-161, figs. 29-32; pls. 8, 9, figs. 80-87; cones, ?Taxodinae; Upper Jurassic; Utah, U.S.A.  
*HISSARELLA* Sikstel', 1966.  
*Hissarella schamolensis* Sikstel', 1966, p. 25-27, pl. 10, figs. 1-11; pteridophyll, incertae sedis; Upper Permian and Lower Triassic; Khanaka river valley, Mt. Gissar, Tadzhik SSR.  
*HOLIGARNOXYLON* Prakash and Awasthi, (1969) 1970.  
*Hologarnoxylon assamicum* Prakash and Awasthi, (1969) 1970, p. 35-36, pls. 1-3, figs. 6-14; silicified wood, compared with modern wood, Anacardiaceae; Tertiary, near Jaipur, Assam, India.  
*HORNIELLA* Shaykin, 1966.  
*Horniella robertsi* (Peck, 1934) Shaykin, 1966, p. 158-160, fig. 2a, b; charophyte, Characeae; Columbia, Missouri, U.S.A.

## I

- IBYKA* Shog and Banks, 1973.  
*Ibyka amphikomoma* Skog and Banks, 1973, p. 366-378, figs. 1-24; protoarticulate; upper Middle Devonian; New York State, U.S.A.  
*IDANOTHEKION* Millay and Eggert, 1970.  
*Idanothekion glandulosum* Millay and Eggert, 1970, p. 51-58, figs. 1-24; ?pteridosperm male fructification; Middle Pennsylvanian; Williamson County, Illinois, U.S.A.  
*INGOXYLON* Müller-Stoll and Mädel, 1967.  
*Ingoxylon sahnii* (Ramanujam) Müller-Stoll and Mädel, 1967, p. 111-112; wood, Leguminosae; Miocene or Pliocene; southern India.  
*INOPINATELLA* Elliott, 1971.  
*Inopinatella lawsoni* Elliott, 1971, p. 637-641, figs. 1-6; pl. 120, figs. 1-3; pl. 121, figs. 1-3; algae, incertae sedis; Upper Silurian; near Aymestry Church, Shropshire, England.  
*INTERMURELLA* Elliott, 1972.  
*Intermurella scotia* Elliott, 1972, p. 361-362, pl. 3, fig. 3; pl. 4, figs.

- 1-4; green algae, Dasycladaceae; Upper Ordovician; Girvan, Ayrshire, Scotland.
- INTEXTULELLA** Petryk, 1972.  
*Intextulella agglomerata* Petryk, in Petryk and Mamet, 1972, p. 797, 798, fig. 9; pl. 2, figs. 8, 9; algae; Livingston Formation, Lower Carboniferous; southwestern Alberta, Canada.
- INTUTICUTIS** Schneider, 1969.  
*Intuticutis pulchra* Schneider, 1969, p. 20, 21, pl. 5, figs. 1, 2; cuticle of upper side of leaf, dicotyledon; middle Miocene; Upper Lusatia, east-central Germany.
- ISOBERLINEOXYLON** Lakhnapal and Prakash, 1970.  
*Isobertineoxylon congoense* Lakhnapal and Prakash, 1970, p. 10-12, pl. 6, figs. 19-21; pl. 7, figs. 22, 24; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- ISODICTYOPTERIDIUM** Rigby, 1972.  
*Isodictyopteridium walkonii* Rigby, 1972, p. 9-10, figs. F, H, I; ?fructification, incertae sedis; Permian; central Queensland, Australia.
- ISOETODENDRON** Bock, 1969.  
*Isoetodendron striata* Bock, 1969, p. 51-52, figs. 97-101; treelike stem, Isoetales; Triassic; Winterpock, Virginia, U.S.A.
- J**
- JARENGA** Vakhrameev, 1968.  
*Jarenga rosanovii* Vakhrameev, 1968, p. 8-10, figs. 1, 2; pl. 1, figs. 1-8; fern; Middle Jurassic; Yarenga river, right tributary of the Vy-cheryy River, northern part of the Russian platform, U.S.S.R.
- JENSSENSISPERMUM** Chandler, 1966.  
*Jenssensipermum redmondi* Chandler, 1966, p. 151-156, figs. 14-28; pls. 5, 6, figs. 47-74; seeds, ?Cycadophyte; Upper Jurassic; Utah, U.S.A.
- K**
- KADVOYA** Korde, 1973.  
*Kadvoya mirabilis* Korde, 1973, p. 141-142, fig. 25; pl. 17, figs. 3-5; pl. 18, fig. 1; algae, Kadvoyaceae; Lower Cambrian; Kadvoy river, eastern Tannu-Ola, Tuva, U.S.S.R.
- KAMAENA** Antropov, 1967.  
*Kamaena delicata* Antropov, 1967, p. 123-124, pl. 28, figs. 1-3; algae, Siphonales; Devonian and Lower Carboniferous; central part of the east Russian platform, U.S.S.R.
- KANDYRIA** Sikstel', 1971.  
*Kandyria vasilkovskiyi* (Sikstel') Sikstel', in Sikstel' and others, 1971, p. 67-69, pl. 30, figs. 2-5; pl. 31, figs. 1-6; tree-fern; Carboniferous; left bank of the Angren river, Uzbekistan, U.S.S.R.
- KANKAKEEA** Pfefferkorn, 1973.  
*Kankakeea grundyi* Pfefferkorn, 1973, p. 143-151, 2 figs., pls. 25, 26; buds for vegetative reproduction, ferns; Carboniferous; Illinois and Indiana, U.S.A.
- KARINOPTERIS** Boersma, 1972.  
*Karinopteris daviesii* (Kidston) Boersma, 1972, p. 73-74, 82, 129-134, figs. 14a, b; pls. 28-31; for *Mariopteris daviesii* Kidston, 1925, p. 641, pl. 146, figs. 1, 1a; fern-like foliage; incertae sedis; Carboniferous; South Wales.
- KATASIOPTERIS** Radchenko, 1967.  
*Katasiopteris lebedevii* Radchenko, in Vladimirovich and others, 1967, p. 26-27, fig. 5; fern; Lower Triassic; Kuznets and Tunguska basins, central Siberia, U.S.S.R.
- KATERNIA** Cloud and Semikhatov, 1969.  
*Katernia africana* Cloud and Semikhatov, 1969, p. 1046-1047, pl. 3, figs. 4, 5, (also illus. in Young, 1932, 1934 and Young and Mendelsson, 1948); stromatolite; Proterozoic; South Africa and Medicine Bow Mts., Wyoming, U.S.A.
- KAULANGIOPHYTON** Gensel and Kasper, 1969.  
*Kaulangiophyton akantha* Gensel and Kasper, in Gensel, Kasper and Andrews, 1969, p. 265-275, figs. 1-8; branches, shoots with fertile sporangia, Zosterophyllophytina of Banks; Lower Devonian; northern Maine, U.S.A.
- KCHONOMAKIDIUM** Shevedov, 1962.  
*Kchonomakidium srebrodolskai* Shvedov, 1962, p. 59-61, fig. 1; pl. 1, figs. 1-6; pteridophyll, incertae sedis; Lower Triassic; Khantayskoye lake, Noril'sk region, Krasnoyarskiy Kray, U.S.S.R.
- KEEGA** Wray, 1967.  
*Keega australe* Wray, 1967, p. 16-19, fig. 6; pl. 3, figs. 1-6; algae, incertae sedis; Upper Devonian; Canning basin, Western Australia.
- KENELLA** Korde, 1973.  
*Kenella ornata* Korde, 1973, p. 216, fig. 9; pl. 65, fig. 4; pl. 66, fig. 1; algae, Kenellaceae; Abakan river basin, Srednyaya Kenya river, western Sayan, U.S.S.R.

**KENELLA** Samylna, 1968.

*Kenella harrisiana* Samylna, 1968, p. 211-212, fig. 2G: pl. 1, figs. 11-13; fruit, incertae sedis; Lower Cretaceous; Omuschkhan, Kolyma basin, eastern Siberia, U.S.S.R.

**KETOVIA** Vladimirovich, 1972.

*Ketovia furcata* Vladimirovich, 1972, p. 96, pl. 2, figs. 1, 4; fern-like foliage; Middle Triassic; Orenburg, Ural region, U.S.S.R.

**KOILOSPHEENUS** Bohlin, 1971.

*Koilosphenus cuneifolius* Bohlin, 1971, p. 47-48, pl. 7, fig. 4; drawing pl. 81-90, figs. 90A-D; shoot with apex and foliage, Noeggerathiales; upper Paleozoic; Yüerhung, Kansu, China.

**KOLYMELLA** Samy'lna and Filipova, 1970.

*Kolymella raevskii* Sam'ylna and Filippova, 1970, p. 92-94, figs. 1, 2; pl. 12, figs. 6, 7; fern, ?Pteridaceae; Cretaceous; northeastern U.S.S.R.

**KOSTINOPHYCUS** Vologdin, 1962.

*Kostinophycus irregularis* Vologdin, 1962, pt. 2, p. 493-494, fig. 10; pl. 10, fig. 2; algae, Sarmaellaceae; Lower Cambrian; right bank of the Yenisey, above Kostino village, Krasnoyarskiy Kray, Turukhansk region, U.S.S.R.

**KOSVOPHYTON** Korde, 1973.

*Kosvophyton uralicum* Korde, 1973, p. 206-207, pl. 64, fig. 1; algae, Epiphytaceae; Upper Silurian and Lower Devonian; Kos'va river, northern Urals; right bank of the Kolonga river, 0.5 km beyond the mouth, southern Urals, U.S.S.R.

**KOVALIA** Teslenko, 1970.

*Kovalia grandifolia* Teslenko, 1970, p. 183-185, pl. 48, figs. 1, 2; pl. 52, fig. 3; leaves, incertae sedis; Jurassic; right bank of the Tom river, Kuznets basin, U.S.S.R.

**KRAUSELCLADUS** Yoshida, 1970.

*Kräuselcladus canoinhensis* Yoshida, 1970, p. 7-10, pl. 1, figs. 1-3; pl. 2, figs. 1-4; conifer shoots; Permian; northern Santa Catarina State, Brazil.

**KRAUSELICUTIS** Schneider, 1969.

*Krauselcutis punctata* Schneider, 1969, p. 23-24, pl. 7, figs. 4, 5; cuticle, ?Magnoliales; middle Miocene; Lower Lusatia, east-central Germany.

**KREJCIELLA** Obrhel, 1968.

*Krejciella putzkeri* Obrhel, 1968b, p. 463-464, pl. 1, figs. 1-5; query, lycopod; Ordovician; Praha-Dolní Šárka-Tal, nördl. vom Friedhof, central Bohemia, Czechoslovakia.

**KRITHODEOPHYTON** Edwards, 1968.

*Krithodeophyton croftii* Edwards, 1968, p. 684, pls. 130-132, branching axes, fructification, Enigmophyton; Lower Devonian; South Wales, Great Britain.

**KUNDATIA** Korde, 1973.

*Kundatia composita* Korde, 1973, p. 120-121, fig. 2; pl. 7, figs. 1-5; pl. 8, fig. 1; algae, Kundatiaceae; Lower Cambrian; Kiya river, Kuznetskiy Alatau, U.S.S.R.

**KUPRIANOVAITES** Namburdiri, 1969.

*Kuprianovaites deccanii* Namburdiri, 1969, sporocarp, incertae sedis; Paleocene; Mohgaon Kalan, Chhindeara district, Madhya Pradesh, India.

**KYMALITHON** Lemoine and Emberger, 1967.

*Kymalithon belgicum* (Fosile, 1909) Lemoine and Emberger, 1967, p. 3-14, pls. 1-4; algae; Lower Cretaceous; southwestern France.

**KYZASSIA** Korde, 1973.

*Kyzassia formosa* Korde, 1973, p. 123-124, pl. 9, figs. 1, 2; algae, Cornutulaceae; Lower Cambrian; western Sayan, U.S.S.R.

## L

**LACUNIDERMA** Krasilov, 1973.

*Lacuniderma meyerii* Krasilov, 1973a, p. 109, pl. 22, figs. 41-48; cuticle, incertae sedis; Upper Cretaceous; town of Mgachi, western coast of northern Sakhalin.

**LAMELLOPHYCUS** Vologdin, 1962.

*Lamellophycus aculeatus* Vologdin, 1962, pt. 1, p. 180-185, figs. 15-17; pl. 12, figs. 1-4; stromatolite, Lermontovaephyceae; middle Siniian; right bank of the Nizhney Tunguska, second Kamen' promontory, U.S.S.R.

**LAMELLOSTROMA** Vologdin, 1962.

*Lamellostroma vesiculara* Vologdin, 1962, pt. 1, p. 303, 305, figs. 82, 83a; pl. 74, fig. 1; stromatolite, Lamellostromataceae; Lower Cambrian; Borlog river, southwestern Cisbaikal, Burul'deyka river basin, U.S.S.R.

**LANGCAMIA** Srebrodolskaya, 1969.

*Langcamia zeilleri* Srebrodolskaya, 1969, p. 91-94, fig. 4; pl. 2, figs. 3, 4; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.

**LANGOXYLON** Stockmans, 1968.

*Langoxylon asterochlaenoides* Stockmans, 1968, p. 25-29, fig. 6;



- pl. 10, figs. 1-1d; pl. 11, figs. 2, 3; pl. 12, figs. 1-8; wood, coenopteris; Middle Devonian; Brabant Massif region, central Belgium.
- LANNEOXYLON** Prakash and Tripathi, 1967.
- Lanneoxylon grandiosum* Prakash and Tripathi, 1967, p. 462-463, figs. 1-3; wood, Anacardiaceae; Tertiary; Mikir hills, Assam, India.
- LAPPACARPUS** Douglas, 1969.
- Lappacarpus aristata* Douglas, 1969, p. 225-228; figs. IV: 5-6; pl. 42, figs. 5, 8; pl. 43, figs. 1-5; pl. 44, fig. 2; reproductive organ, angiosperm; Lower Cretaceous; Yangery Bore, Victoria, Australia.
- LASIOSTROBUS** Taylor, 1970.
- Lasiostrobus polysacci* Taylor, 1970, p. 670-688, figs. 1-48; gymnosperm male cone; Upper Pennsylvanian; Lawrence County, southeastern Illinois, U.S.A.
- LATERICUTIS** Roselt and Schneider, 1969.
- Latericutis fragmentata* Roselt and Schneider, 1969, p. 62, pl. 9, fig. 5; cuticle, monocotyledon, Palmae of Glumiflorae; Miocene; Lower Lusatia, East Germany.
- LATICAULINA** Krasilov, 1970.
- Laticaulina papillosa* Krasilov, 1970, p. 141-142, pl. 11, figs. 1-3; leafy liverwort, Jungermanniales; Upper Jurassic; right bank of the Bureya river, Khabarovsk Territory, eastern Siberia, U.S.S.R.
- LAURACEOPHYLLODERMA** Giesen, 1971.
- Lauraceophylloderma ebenoides* (Engelhardt) Giessen, 1971, p. 49-50, fold-in pl. 9; figs. 1a-c; pl. 13, figs. 6-8; pl. 14, figs. 1-3; leaf; Lauraceae; Eocene; near Darmstadt, West Germany.
- LAUSATICUTIS** Roselt and Schneider, 1969.
- Lausaticutis rugosa* Roselt and Schneider, 1969, p. 66-67, fig. 17; pl. 11, figs. 3-5; cuticle of an undetermined angiosperm; middle Miocene; Klettwitz, Lower Lusatia, East Germany.
- LECLERCQIA** Banks, Bonamo and Grierson, 1972.
- Leclercqia complexa* Banks, Bonamo and Grierson, 1972, p. 35-36, pl. 1 figs. 1-48; slender herbaceous lycopod; Protolpidodendraceae; Panther Mountain Formation; Schoharie County, New York, U.S.A.
- LEGRANDIA** Stockmans, 1968.
- Legrandia sporangifera* Stockmans, 1968, p. 36-37, pl. 6, figs. 7, 7a; compared with *Pseudosporochnus*, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.
- LEGUMINANTHUS** Kräusel and Schaarschmidt, 1966.
- Leguminanthus siliquosus* Kräusel Schaarschmidt, 1966, p. 41-42, pl. 11, figs. 1-5; pl. 12, figs. 1-9; pl. 13, figs. 1-11; pl. 14, figs. 1-20; pl. 15, figs. 1-19; bennettitalean pollen organ; Middle Triassic; Switzerland.
- LELSTOTHECA** Maheshwari 1972; an anagram for *Stellotheca* Surange and Prakash, 1962, established as a new combination with *Phyllotheca robusta* Feistmantel, 1880.
- Lelstotheca robusta* (Feistmantel, 1880) Maheshwari, 1972, p. 106; equisetaceous foliage; Lower Permian; Rajmahal Hills, Bihar, India.
- LEPTOCYCAS** Delevoryas and Hope, 1971.
- Leptocycas gracilis* Delevoryas and Hope, 1971, p. 3-7, figs. 1-12; stems, Cycadaceae; Upper Triassic; Chatham County, North Carolina, U.S.A.
- LEPTORICHOMARIA** Vologdin, 1962.
- Leptotrichomaria intermissa* Vologdin, 1962, pt. 1, p. 255-258, figs. 54, 55; pl. 50, fig. 1; pl. 51, figs. 1-3; algae, Trichostromataceae; Lower Cambrian and Sinian; Turukhansk region, right bank of the Yenisey near Miroedikh village, and near Kostino village, below the mouth of the Sukhaya Tunguska, central Siberia, U.S.S.R.
- LERICHA** Stockmans, 1968.
- Lerichea krystofovitchii* Stockmans, 1968, p. 12-13, pl. 9, figs. 2, 2a; branches, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.
- LERMONTOVAEPHYCUS** Vologdin, 1962.
- Lermontovaephycus lamellosus* Vologdin, 1962, pt. 1, p. 166-167, 172-176, figs. 10, 11; pl. 7, fig. 1; pl. 8, fig. 1; pl. 9, figs. 1, 2; stromatolite, Lermontovaephyceae; Sinian right bank of the Angara river, U.S.S.R.
- LEUTHARDTIA** Kräusel and Schaarschmidt, 1966.
- Leuthardtia ovalis* Kräusel and Schaarschmidt, 1966, p. 26-27, figs. 6, 7; pl. 8, figs. 1-5; pl. 9, figs. 1-5; bennettitalean pollen organ; Middle Triassic; Switzerland.

- LEVICUTIS** Roselt and Schneider, 1969.  
*Levicutis complitata* Roselt and Schneider, 1969, p. 59, pl. 7, fig. 2; cuticle of leaf sheath, [Graminales]: Miocene; Upper and Lower Lusatia, East Germany.
- LIDASIMOPHYTON** Senkevich, 1961.  
*Lidasimophyton akkermensis* Senkevich, 1961, p. 155-169, fig. 6; pl. 24, figs. 2-5; pl. 26, figs. 1-5; lycopod, Drepanophycaceae; Middle Devonian, western Pribalkhash, southern Kazakhstan, U.S.S.R.
- LILPOPIA** (Lilpop, 1937) Conert and Schaarschmidt, 1970.  
*Lilpopia raciborskii* (Lilpop, 1937) Conert and Schaarschmidt, 1970. A new name for *Tristachya* Lilpop; p. 793-794; Lilpopiaceae; Permian and Carboniferous; 35 km from Cracow, Poland.
- LIMNOBIOPHYLLUM** Krasilov, 1973.  
*Limnobiophyllum scutatum* (Dawson, 1875) Krasilov, 1973a, p. 110-111, pl. 23, figs. 49-61, cuticle, incertae sedis; Upper Cretaceous; near the mouth of Bureya river, Tsagajan, Amur province, U.S.S.R.
- LIRIODENDROXYLON** Prakash, Březinová and Bůžek, 1971.  
*Liriodendroxylon tulipiferum* Prakash, Březinová and Bůžek, 1971, p. 108-110, pl. 35, figs. 26-29, pl. 36, figs. 30-34; wood Magnoliaceae; Oligocene; Doupovské hory mountains, northern Bohemia, Czechoslovakia.
- LOBIFOLIA** Lebedev and Rasskazova, 1968.  
*Lobifolia povorokovskii* (Prynada in Vachrameev and Doludenko, 1961) Lebedev and Rasskazova, 1968, p. 61-63, figs. 2, 3; pl. 1, figs. 1-3; fern; Lower Cretaceous; Bureya river basin, U.S.S.R.
- LOPATINELLA** Vologdin, 1962.  
*Lopatinella bipartita* Vologdin, 1962, pt. 1, p. 206-209, fig. 27; pl. 35, figs. 1, 2; pl. 26, figs. 1, 2; stromatolite; Lopatinellaceae; middle Silesian; right bank of the Nizhney Tunguska, about 34 km from the mouth, U.S.S.R.
- LOVOAXYLON** Louvet, 1967.  
*Lovoaxylon princeps* Louvet, 1967, p. 186-197, 2 figs., 1 pl., 1 table; wood; Algeria, northern Africa.
- LUCERNELLA** Grambast and Lorch, 1968.  
*Lucernella ampullacea* Grambast and Lorch, 1968, p. 48-50, pl. 1, figs. 1a-d, 2a-d, 3a-d; pl. 2, figs. 1a-9; charophyte; Clavatoraceae; Lower Cretaceous; southern Lebanon.
- LUDLOVIA** Korde, 1973.  
*Ludlovium multispora* Korde, 1973, p. 207-209, fig. 62; pl. 65, fig. 1; pl. 66, fig. 1; algae, Epiphytaceae; Upper Silurian; left bank of Sos'va river, eastern slope of the northern Urals, U.S.S.R.
- LUTUGINIA** Prynada and Radchenko, 1967.  
*Lutuginia furcata* Prynada and Radchenko, in Vladimirovich and others, 1967, p. 28-29, fig. 11, coniferous branch with shoots; Lower Triassic; Kuznets basin, central Siberia, U.S.S.R.
- LYCHNOTHAMNITES** Maslov, 1966.  
*Lychnothamnites naryensis* Maslov, 1966, p. 77-79, fig. 26; pl. 9, figs. 9-11; charophyte; middle Pliocene; Naryn depression, Kirghiz SSR.
- LYSVAELLA** Tchuvashov, 1971.  
*Lysvaella partita* Tchuvashov, 1971, p. 86-89, fig. 1; pl. 10, figs. 1-4; algae, Corallinaceae; Lower Permian; Chusovoy river basin, western slope of the Urals, U.S.S.R.

## M

- MADIGANITES** Walter, 1972.  
*Madiganites mawsoni* Walter, 1972, p. 158-161, figs. 8, 47, pl. 1, figs. 1, 2; pl. 28, figs. 1-3; stromatolite; Middle and Upper Cambrian; Waterhouse and MacDonald Ranges, Australia.
- MAGARIELLA** Page, 1973.  
*Margariella cretacea* Page, 1973, p. 572-575, figs. 1-15; coniferal stem with leaves; ?Taxodiaceae; Upper Cretaceous; central California, U.S.A.
- MAGNICUTIS** Schneider, 1969.  
*Magnicutis glandulosa* Schneider, 1969, p. 17-18, fig. 2; pl. 3, figs. 6, 7; cuticle, Loranthaceae; Miocene; Upper Lausatia, east-central Germany.
- MAGNIFEROXYLON** Awasthi, (1965) 1966.  
*Magniferoxylon scleroticum* Awasthi, (1965) 1966, p. 131-135, figs. 1-5; pl. 1, figs. 1-4; pl. 2, figs. 5-11; wood, Anacardiaceae; Tertiary; South Arcot district, Madras, India.
- MAJSASSIA** Sukhov, 1969.  
*Majsassia elliptica* Sukhov, 1969, p. 176, pl. 31, figs. 1-3; gymnosperm seed; Lower Carboniferous; Kuznets basin, central Siberia, U.S.S.R.
- MALOIDOVYLYN** Grambast-Fessard 1966.  
*Maloidoxylon castellanense* Grambast-Fessard, 1966, p. 138-145,



- figs. 3, 4, 6; pl. 13 (17), figs. 1-3; pl. 14 (18), figs. 1-5; wood, Rosaceae; Miocene and Pliocene; Castellane, Basses-Alpes, southeastern France.
- MANSURKELLA** Vologdin, 1962.  
*Mansurkella densa* Vologdin, 1962, pt. 2, p. 490-491, fig. 8, pl. 9, figs. 2, 3; stromatolite, Sarmaellaceae; Lower Cambrian; Manzurka river basin, U.S.S.R.
- MOAKHEOPTERIS** Srebrdolskaya, 1969.  
*Maokheopteris vietnamica* Srebrdolskaya, 1969, p. 89-91, pl. 2, fig. 2; pl. 3, figs. 1, 2; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.
- MARCOUIA** Ash, 1972.  
*Marcouia neuropterides* (Daugherty) Ash, 1972, p. 423-428, fig. 1A-E; pl. 80, figs. 1-9; fernlike foliage; incertae sedis; Upper Triassic; New Mexico and Arizona, U.S.A.
- MARENITA** Korde, 1973.  
*Marenita kundatica* Korde, 1973, p. 109-110, pl. 1, fig. 3; algae, Marenitaceae; Lower Cambrian; Kiya river, 1 km below the mouth of the Kundat river, Kuznetskiy Alatau, Tuva, U.S.S.R.
- MARGARIELLA** Page, 1973.  
*Margariella cretacea* Page, 1973, p. 572-575, figs. 1-15; coniferal stem with leaves; ?Taxodiaceae; Upper Cretaceous; central California, U.S.A.
- MASLOVINA** Obrhel, 1968.  
*Maslovina meyerii* Obrhel, 1968a, p. 367-370, fig. 1A-D; pl. 1, figs. 1-6; pl. 2, figs. 1-5; algae; Codiaceae; Silurian; Bohemia, Czechoslovakia.
- MATIA** Townrow, 1967.  
*Matia podocarpoides* (Ettingshausen, 1891) Townrow, 1967, p. 125-129, 131, 133, pls. Ij, Iig; foliage and seed cone, Podocarpaceae; Middle Jurassic; New Zealand, and Queensland, Australia.
- MELIACEAEPHYLLUM** Varma, 1968.  
*Meliaceaephyllum mahagonites* Varma, 1968, p. 83-85, pl. 1, fig. 1; leaf impression, Meliaceae; upper Miocene (middle Shivaliks); Hardwar, Uttar Pradesh, India.
- MELLPORELLA** Rácz, (1964) 1966.  
*Mellporella anthracoporellaformis* Rácz, (1964) 1966, p. 99-100, pl. 4, figs. 4-6; calcareous green algae, ?Dasycladaceae; the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, northwestern Spain.
- MENAI SPERMAE** Pettitt and Lacey, 1972.  
*Menaispermae greenlyii* Pettitt and Lacey, 1972, p. 154-169, figs. 1, 2; pls. 1-4; gymnospermous seed compression; Late Visean, Lower Carboniferous; Menai Straits, Caernarvonshire, North Wales.
- MENSELINA** Antropov, 1967.  
*Menselina clathrata* Antropov, 1967, p. 124, pl. 28, figs. 4-6; ?algae; ?Rhodophyta; Lower Carboniferous; central part of the east Russian platform, U.S.S.R.
- MENUCOA** Petriella, 1969.  
*Menucoa cazani* Petriella, 1969, p. 293-320, figs. 1-3; pl. 1, figs. 1-4; cycad stems, Cycadales; lower Tertiary; Los Menucos, Rio Negro province, Argentina.
- MESOLARIX** Jähnichen and Kahlert, 1972.  
*Mesolarix mongolica* Jähnichen and Kahlert, 1972, p. 973-4, 979, pl. 4, fig. 3; pl. 5, fig. 3; pl. 6, fig. 6; sprout fragments with dwarf shoots; Upper Jurassic and Lower Cretaceous; environs of Bajanchonger, Mongolian People's Republic.
- METAKAMAENA** Endô, 1969.  
*Metakamaena gracilis* Endô, 1969, p. 81-82, fig. 4; pl. 5, figs. 1, 2; algae, compared with *Calcisphaera*; Permian; Thailand.
- MILLARIA** Pflug, 1966.  
*Millaria implexa* Pflug, 1966, p. 66-67, pl. 28, figs. 6-18, 20-44, 48-63, pl. 29, figs. 1-28; ?algae, ?Cyanophyta; Idaho-Montana, U.S.A.
- MIMOSAEOXYLON** Lakhnal and Prakash, 1970.  
*Mimosaeoxylon lebacqii* Lakhnal and Prakash, 1970, p. 8-10, pl. 4, figs. 14, 15; pl. 5, figs. 16-18; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- MIMOSOXYLON** Müller-Stoll and Mädel, 1967.  
*Mimosoxylon tenax* (Felix) Müller-Stoll and Mädel, 1967, p. 134-136, fig. 9; pl. 35, figs. 68-71; wood, Leguminosae; Upper Cretaceous; near Oaxaca, Mexico.
- MIRELLA** Samylin, 1967.  
*Mirella borealis* Samylin, 1967, p. 157-158, pl. 14, figs. 1a, 2-6; mega and microsporangia, incertae sedis; Lower Cretaceous; right bank of the Zyrianska river, Zyrianska coal basin, Yakut SSR.
- MITRAGYNAXYLON** Koeniguer and Lemoigne, 1973.  
*Mitragynaxylon gevini* Koeniguer and Lemoigne, in Gevin, Koeniguer

- and Lemoine, 1973, p. 386-388, figs. 1, 2; pl. 23, figs. 1-8; wood, Rubiaceae; Oligocene and Miocene; Tindouf region, Algeria.
- MONILOPORELLA** Gnilovskaya, 1972.  
*Moniloporella camerata* Gnilovskaya, 1972, p. 102-106, fig. 45; pl. 10, figs. 1-3; pl. 11, figs. 1, 2; alga, Moniloporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- MONOSTYCHIA** Vologdin, 1962.  
*Monostychia lapidosa* Vologdin, 1962, pt. 2, p. 500-502, fig. 16; pl. 13, figs. 1, 2; stromatolite, Vesculariaceae; Lower Cambrian; basin of the upper course of the Lena, Manzurka river near Polosco village, U.S.S.R.
- MOROPHYLLUM** Kirichkova and Budantsev, 1967.  
*Morophyllum denticulatum* Kirichkova and Budantsev, 1967, p. 941-942, pl. 2, figs. 7-14; angiosperm leaves; Lower Cretaceous; Sitte river, western tributary of the Lena, Yakutskaya, U.S.S.R.
- MOYLIOSTROBUS** Miller and Brown, 1973.  
*Moyliostrobus taxanum* Miller and Brown, 1973, p. 564-569, figs. 1-13; voltzalean cone; Permian; Brewster County, Texas, U.S.A.
- MUCILINA** Korde, 1973.  
*Mucilina fossilis* Korde, 1973, p. 118-119, fig. 3; pl. 6, figs. 1-4; algae, Mucilinaceae; Lower Cambrian; Kuznetskiy Alatau and Batenev ridge, U.S.S.R.
- MULLEROXYLON** Page, 1970.  
*Mulleroxylon eupomatioides* Page, 1970, p. 1143, figs. 12-14; angiospermous wood; Upper Cretaceous; Stanislaus County, central California, U.S.A.
- MYRTOIDOXYLON** Gottwald, 1966.  
*Myrtoidoxylon noldeae* Gottwald, 1966, p. 85-87, pl. 23, fig. 19; pl. 24, figs. 20-22; wood, Myrtaceae; middle Eocene; Tagebau near Helmstedt, Westdeutschland.
- N
- NANSENIA** Sveshnikova and Budantsev, 1967.  
*Nansenia arctica* Sveshnikova and Budantsev, 1967, p. 124-125, pl. 12, figs. 1-6; stem with leaves, Pinaceae; Lower Cretaceous; Franz Josef Land.
- NEMEGTICHARA** Karczewska and Ziembinska-Tworsydlo, 1972.  
*Nemegtichara prima* Karczewska and Ziembinska-Tworsydlo, 1972, p. 54-57, figs. 2, 3; pl. 7, figs. 1, 3, 4; pl. 8, figs. 1, 2, 5, 6; pl. 9, fig. 2; pl. 24, figs. 1, 3, 4; fruit, Charophyta; lower Tertiary; Nemegt basin, Gobi desert, Mongolia.
- NEMEJCOPTERIS** Barthel, 1968.  
*Nemejcopteris feminaeformis* (Schloth.) Barthel, 1968, p. 727-733, pl. 1, figs. 1-15; pl. 2, figs. 1-11; pl. 3, figs. 1-13; pl. 4, figs. 1-9; fern, Zygopteridaceae; Lower Permian; Döhlen basin, east-central Germany.
- NEODASYPORELLA** Endô, 1969.  
*Neodasyoporella innerannulata* Endô, 1969, p. 40-41, fig. 2; pl. 36, figs. 1, 2; pl. 42, fig. 5; algae, Corallinaceae; Permian; Thailand.
- NERUSIANDELLA** Vologdin, 1962.  
*Nerusiandella faveolata* Vologdin, 1962, pt. 1, p. 284-285, fig. 69, pl. figs. 1, a, 2, a; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska about 34 km from its mouth; Turukhansk region, U.S.S.R.
- NEUBURGIA** M. I. Radchenko, 1969.  
*Neuburgia karatauensis* M. I. Radchenko, 1969, p. 106-108, pl. 1 figs. 1-4; pl. 2 figs. 1-6; fragments of leaf impressions, compared with *Anisopteris* and *Rhacopteris*; Lower Carboniferous; southern Kazakhstan, U.S.S.R.
- NIAYSSIOIDEA** Stockmans, 1968.  
*Niayssioidea belgica* Stockmans, 1968, p. 14-16, fig. 2; pl. 2, figs. 8, 8a; stem, ?Psilophytale; Middle Devonian; Brabant Massif region, central Belgium.
- NICHOLSONIA** Korde, 1973.  
*Nicholsonia glomerata* Korde, 1973, p. 212-215, pl. 64, fig. 1; pl. 65, fig. 1; algae, Kenellaceae; Lower Cambrian; Shangan river, Kuznetskiy Alatau; Batenev ridge, Tuva; area of Sukhaya Erba village, northeast of Dolgiy Mys mountain, U.S.S.R.
- NIDIA** Bose and Srivastava, 1973.  
*Nidia ovalis* Bose and Srivastava, 1973, p. 75-78, figs. 4A, 6-8; pl. 2, figs. 9-13; pl. 3, figs. 16, 17; female cone, incertae sedis; Lower Triassic; Gopad river valley, Nidpur, Sidhi district, Madhya Pradesh, India.
- NIDISTROBUS** Bose and Srivastava, (1972) 1973.  
*Nidistrobus harrisiana* Bose and Srivastava, (1972) 1973, p. 211-212, pl. 1, figs. 1-5; male fructification; incertae sedis; Lower Triassic; Gopad river valley, Nidpur, Sidhi district, Madhya Pradesh, India.



**NOTHODACRIUM** Townrow, 1967.

*Nothodacrium warrenii* Townrow, 1967, p. 137-141, figs. 1A-D, 2A-E, 3B-D; pl. 1, figs. A-B, D; coniferous shoot with base of seed cone, Podocarpaceae; Jurassic; east Antarctica.

**NOTOCALAMITES** Rigby (1970) 1972.

*Notocalamites askosus* Rigby (1970) 1972, p. 161-163, fig. 1; pl. 1, fig. 1; fructification on stems, Noto-camamitaceae; upper Paleozoic; Santa Catarina, Brazil.

**NOVANTIELLA** Elliott, 1972.

*Novantiella ordoviciana* Elliott, 1972, p. 362-363, pl. 6, figs. 1, 2; green algae, Dasycladaceae; Upper Ordovician; Girvan, Ayrshire, Scotland.

**NYMPHAEOCAULON** Trivedi and Ambwani, 1971.

*Nymphaeocaulon intertrappeum* Trivedi and Ambwani, 1971, p. 129-136, figs. 1-3; pls. 44-45, figs. 1-13; fossil axis, Nymphaeaceae; lower Tertiary; Mohgaonkalan, Madhya Pradesh, India.

O

**OMPHALEAEPHYLLUM** Rásky, (1965) 1966.

*Omphaleaephyllum weylandi* Rásky, (1965) 1966, p. 266-267, pl. 2, fig. 6; leaf impression, incertae sedis; Tertiary; Ipolytarnoc, Hungary.

**OPILIOXYLON** Koeniguer, 1970.

*Opilioxylon nigerinum* Koeniguer, 1970, p. 148-151, fig. 3:1-3; paleo-oxylotomous wood; Upper Cretaceous; Mount Kanak, Republic of Niger, western Africa.

**ORCHIDACITES** Straus, 1969.

*Orchidacites orchidioides* (Straus, 1954) Straus, 1969, p. 167; pl. 28; fig. 2; capsule, Orchidaceae; Pliocene; Willershausen, Germany.

**ORDINICUTIS** Roselt and Schneider, 1969.

*Ordinicutis orbirima* Roselt and Schneider, 1969, p. 78-79, fig. 28, pl. 20, figs. 3, 4; cuticle of undetermined dicotyledon; Miocene; Friedendorf, Hessen, East Germany.

**ORTHROSIPHONOIDES** Petryk, 1972.

*Orthrosiphonoides salterensis* Petryk, in Petryk and Mamet, 1972, p. 776, fig. 3; pl. 2, figs. 10-14; pl. 3, figs. 4, 5; algae; Viséan, Lower Carboniferous; southwestern Alberta, Canada.

**OVIDOPHYCUS** Vologdin, 1962.

*Ovidophycus titorenko* Vologdin,

1962, pt. 2, p. 496-498, fig. 13; pl. 11, fig. 5; algae, Tumidophyceae; Lower Cambrian; Manzurka river valley, upper course of the Lena, Kachugsk area, Ikurtsk Oblast, U.S.S.R.

P

**PALAEOCALLITROXYLON** Gregus, 1970.

*Pallaeocallitroxylon limburgense* Gregus, 1970, p. 270-271, pl. 1, figs. 2, 4-5, 8-9; pl. 2, figs. 13, 15-16; wood, Cupressaceae; Tertiary; Limburg, southeastern Netherlands.

**PALEOERICOMA** Elias, 1942.

*Paleoericoma hitchcocki* Elias, 1942, p. 100-101, pl. 15, figs. 7, 8; hulls, compared with the living section *Ericoma* of Oyzopsis; Pliocene; Yuma County, Colorado, U.S.A.

**PALAEOPHRAGMITES** LeMone and Johnson, 1969.

*Palaephragmites gilei* LeMone and Johnson, 1969, p. 79, pl. 1, fig. 1; pl. 3, fig. 1; culms, Gramineae; Neogene; Rincon hills, Dona Ana County, New Mexico, U.S.A.

**PALEOPHYLLUM** Endő, 1968.

*Paleophyllum hashimoto* Endő, 1968, p. 213, pl. 35, fig. 4; algae, Corallinaceae; Mansalay Formation, Jurassic; Mindoro Island, Philippines.

**PALAEOSMUNDA** Gould, 1970.

*Palaeosmunda williamsi* Gould, 1970, p. 13-21, figs. 2, 3; pl. 1, figs. 1, 2; pl. 2, figs. 1-7; pl. 3, figs. 1-8; pl. 4, figs. 1-10; trunks and rhizomes, Osmundaceae; Upper Permian; Bowen basin, Queensland, Australia.

**PALMATOPORELLA** Gnilovskaya, 1972.

*Palmatoporella lata* Gnilovskaya, 1972, p. 136-137, fig. 57; pl. 15, fig. 5; alga, incertae sedis; Upper Ordovician, eastern Kazakhstan, U.S.S.R.

**PANOMNIELLA** Kolosov, 1966.

*Panomniella ornata* Kolosov, 1966, p. 978-979, fig. 1A; algae, Rivulariaceae; Precambrian; Olekma river basin, Yakut SSR.

**PAPULOPHYCUS** Vologdin, 1962.

*Papulophycus pennatus* Vologdin, 1962, pt. 1, p. 280-283, fig. 67; pl. 64, figs. 1, 2; stromatolite, plexostromataceae; upper Sinian; Kachergat river on the southwestern shore of Lake Baikal, U.S.S.R.

**PARACATIOXYLON** Müller-Stoll and Mädel, 1967.

- Paracacioxylon odonellii* (Menéndez) Müller-Stoll und Mädél, 1967, p. 137-138; wood, Leguminosae; Tio-puncu, Tucuman province, Argentina.
- PARACHABKOVIA** Korde, 1973.
- Parachabkovia dura* Korde, 1973, p. 157-158, pl. 29, fig. 3; algae, Parachabkoviaceae; Lower Cambrian; Sanashtykgol river, western Sayan, U.S.S.R.
- PARAEPIPHYTON** Wray, 1967.
- Paraepiphyton caritus* Wray, 1967, p. 41-43, fig. 15; pl. 8, figs. 1-15; algae, incertae sedis; Upper Devonian; Canning basin, Western Australia.
- PARAPHYLLUM** Lemoine, 1969-70.
- Paraphyllum amphiroaeforme* (Rothpletz) Lemoine, 1969-70, p. 177-181, pl. 12, fig. 1; pl. 13, fig. 2; coralline algae; Cretaceous; southern France.
- PARAPINUXYLON** Huard, 1966.
- Parapinuxylon hostensianum* Huard, 1966, p. 65-73, figs. 23-25; pl. 8(12), figs. 1-10; coniferous wood; upper Tertiary; Landes, France.
- PARASEQUOIA** Krasilov, 1967.
- Parasequoia cretacea* Krasilov, 1967, p. 212-213, figs. 30a, b, v; pl. 77, figs. 1-4; stem with leaves, Coniferales; Lower Carboniferous; Southern Maritime Territory, U.S.S.R.
- PARASPHENOPHYLLUM** Asama, 1970.
- Parasphenophyllum shansiense* (Asama) Asama, 1970, p. 301-302, pl. 3, fig. 1; leaves, Sphenophyllales; Permian; China and Korea.
- PARATRICHILIOXYLON** Koeniguer, 1971.
- Paratrichilioxylon russelli* Koeniguer, 1971, p. 160-172, figs. 3-5; pl. 1, figs. 1-4; pl. 2, figs. 1, 2; pl. 3, figs. 1-4; wood, Melliaceae; Paleocene; Niger, western Africa.
- PARATRIZYGIA** Asama, 1970.
- Paratrizygia kobonensis* (Kobatake) Asama, 1970, p. 312-313; leaves, Sphenophyllales; Permian; Korea.
- PARAZOLA** Hall, 1969.
- Parazola heterotricha* Hall, 1969, p. 1175-1177, figs. 3-18, 30; fern spores; Upper Cretaceous; Choteau County, Montana, U.S.A.
- PELTICUTIS** Schneider, 1969.
- Pelticuta amplirima* Schneider, 1969, p. 15-16, fig. 1; pl. 1, figs. 4, 5; pl. 2, fig. 1; cuticle, Myricaceae; middle Miocene; Lower Lusatia, east-central Germany.
- PELTOPHOROXYLON** Müller-Stoll and Mädél, 1967.
- Peltophoroxylon variegatum* (Ramanujam) Müller-Stoll, and Mädél, 1976, p. 117-118; wood, Leguminosae; Miocene or Pliocene; India.
- PERENNARIA** Vologdin, 1962.
- Perennaria ambigua* Vologdin, 1962, pt. 1, p. 251-253, fig. 51; stromatolite, Telastromataceae; lower Sinitian; left bank of the Angara river, above the Ivan river, U.S.S.R.
- PEREZLARIA** Delevoryas and Gould, 1971.
- Perezlaria oaxacensis* Delevoryas and Gould, 1971, p. 616-620, figs. 1-8; ?pteridosperm fructification; Jurassic; Oaxaca, Mexico.
- PERMOPADINA** Ramovs, 1970.
- Permopadina fallax* Ramovs, 1970, p. 97-100, fig. 1; pl. 12, figs. 1-6; algae, Dictyotales; middle Permian; eastern Karawanken, Alps, Yugoslav-Austrian border.
- PERTICA** Kasper and Andrews, 1972.
- Pertica quadrifaria* Kasper and Andrews, 1972, p. 904-906, figs. 1-18; vascular plant, Trimerophytinae; Trout Valley Formation, Lower Devonian, northern Maine, U.S.A.
- PHASMATOCYCAS** Mamay, 1973.
- Phasmatocycas kansana* Mamay, 1973, p. 689, fig. 1d-g; fertile organ, Cycadales; Lower Permian; Dickinson County, Kansas, U.S.A.
- PHYLLADELPHIA** Bronn, 1858.
- Phylladelphia strigata* Bronn, 1858, p. 133-135, pl. 7, figs. 2, 3; leaves, monocotyledon; Triassic; Raibl, Carinthia, Austria.
- PHYLLOSTACHYA** Khakhlov, 1964.
- Phyllostachya punctata* Khakhlov, p. 25-26, pl. 2, figs. 5-7; Equisetales; upper Paleozoic; northern Siberia.
- PHYTOKNEME** Andrews, Read and Mamay, 1971.
- Phytokneme rhodona* Andrews, Read and Mamay, 1971, p. 6-9, figs. 1-3; pls. 1-4; lycopod stem; Upper Devonian; Adair County, Kentucky, U.S.A.
- PILBARIA** Walter, 1972.
- Pilbaria perplexa* Walter, 1972, p. 167-170, figs. 7, 51-52; pl. 4, fig. 4; pl. 29, figs. 2-7; stromatolite; lower Proterozoic; Western Australia.
- PILICORONICUTIS** Roselt and Schneider, 1969.
- Pilicoronicutis velamirima* Roselt and Schneider, 1969, p. 79-80, fig. 29; pl. 18, fig. 4; cuticle of undetermined dicotyledon; lower Oligocene; Espenhain near Leipzig, Germany.
- PILIEVICUTIS** Roselt and Schneider, 1969.



- Pilievicutis dentata* Roselt and Schneider, 1969, p. 60-61, pl. 7, fig. 5; cuticle fragment, botanical status doubtful; middle Miocene Upper Silesia, east-central Europe.
- PILIMPARICUTIS** Schneider, 1969.
- Pilimparicutis thompsoni* (Krausel and Weyland, 1959) Schneider, 1969, p. 23, fig. 5; pl. 7, figs. 1, 2; cuticle, Spotaceae; middle Miocene; Upper Lusatia, east-central Germany.
- PILIPARICUTIS** Roselt and Schneider, 1969.
- Piliparicutis radivirgata* Roselt and Schneider, 1969, p. 73-74, pl. 16, figs. 1-4; cuticle of Lauraceae; upper Eocene; Eitzdorf near Halle, East Germany.
- PILISOLICUTIS** Roselt and Schneider, 1969.
- Pilisolicutis tenuis* Roselt and Schneider, 1969, p. 68, fig. 19; pl. 11, figs. 1, 2; cuticle of undetermined dicotyledon; middle Miocene, Schlacendorf near Lubbenau, East Germany.
- PILOSTROMA** Vologdin, 1962.
- Pilostroma grumosum* Vologdin, 1962, pt. 1, p. 305-306, fig. 69b; pl. 65, figs. 1, 2, 3a; algae, Lamellostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.
- PINICUTIS** Schneider, 1969.
- Pinicutis hexacetylica* Schneider, 1969, p. 28, fig. 7; pl. 9, fig. 2; cuticle, Pinaceae; middle Miocene; near Lübbenau, Lower Lusatia, East Germany.
- PLACKLESIA** Bilgütay, 1968.
- Placklesia multipora* Bilgütay, 1968, p. 71-74, figs. 2-6; pl. 3, figs. 1-9; calcareous algae, Thyrosoporellae; Triassic; Packles, Hohe Wand, lower Austria.
- PLAESIODICTYON** Wille, 1970.
- Plaesiodyctyon mosellanum* Wille, 1970, p. 284-285, figs. 4-14, green algae, Chlorococcales; Keuper; Luxemburg, German border.
- PLEXA** Gnilyovskaya, 1972.
- Plexia varia* Gnilyovskaya, 1972, p. 121-122, fig. 53; pl. 14, fig. 3; alga, Moniliporellae; Upper Ordovician, eastern Kazakhstan, U.S.S.R.
- PLEXOSTROMA** Vologdin, 1962.
- Plexostroma pleurotropum* Vologdin, 1962, pt. 1, p. 279-280, fig. 66; pl. 75, figs. 3-5; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.
- PLICARIZAMITES** Bock, 1969.
- Plicarizamites lanceolatus* Bock, 1969, p. 239-242, figs. 395-401; pinnate foliage, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- PODOSTROBUS** Rao and Bose, (1970) 1971.
- Podostrobus rajmahalensis* (Rao) Rao and Bose, (1970) 1971, p. 83-84, pl. 1, figs. 1-8; podocarpaceous male cone; Upper Jurassic; Nipania, Rajmahal Hills, Bihar, India.
- POIKILOPORELLA** Pia, (1942) 1943.
- Poikiloporella duplicata* (Pia, 1920) Pia, (1942) 1943, p. 95-96; calcareous alga; Mesozoic; west of Hutkogels on the Gamsberg and other areas in the extreme western part of Austria.
- POLYPODIOPTERIS** Krassilov and Fedetov, 1970.
- Polypodiopteris kivdensis* Krassilov and Fedetov, in Fedetov, 1970, p. 96-98, pl. 15; figs. 10-17. fern, Polypodiaceae; lower Tertiary; Amur Oblast, U.S.S.R.
- POMATOPHYLLUM** Conti, 1947.
- Pomatophyllum poerculatum* Conti, 1947, p. 53-54, fig. 3; pl. 6[2] fig. 4; pl. 8[4], fig. 5; alga, Corallinaceae; Miocene; northwestern Italy.
- POMETIOXYLON** Prakash and Tripathi, (1969) 1970.
- Pometioxylon tomentosum* Prakash and Tripathi, (1969) 1970, p. 20-22, figs. 1-4; pl. 1, figs. 1-5; wood, Sapindaceae; Tertiary; Hailakandi, Assam, India.
- POODEITES** Straus, 1969.
- Poodeites hercynicus* Straus, 1969, p. 166-169, fig. 1; pl. 30, fig. 2; parts of the reproductive structure of grass, Graminales; Pliocene; Wiltershausen, Germany.
- POTAMOGETONACECARPUM** Walthur, 1967.
- Potamogetonacecarpum magnum* Walthur, 1967, p. 264-266, fig. 3; pl. 2, figs. 4, 5; fruit remains, Potamogetonaceae; Miocene; Seifenhensersdorf, Saxony, east-central Germany.
- POTENTILLINA** Korde, 1973.
- Potentillina campanulata* Korde, 1973, p. 139-140, fig. 37; pl. 17, fig. 2; Lower Cambrian; Biryusa river, eastern Sayan, U.S.S.R.
- PRAEARENARIA** Vologdin, 1962.
- Praearenaria bullulata* Vologdin, 1962, pt. 2, p. 502-504, figs. 17, 18; pl. 14, figs. 1, 2; pl. 15, figs. 1-4;



- stromatolite, Trichostromaceae; Middle Cambrian; left bank of the Angara, Chadobets village, Krasnoyarskiy Kray, U.S.S.R.
- PRAECHROOCOCCUS** Vologdin, 1962.  
*Praechroococcus catervatis* Vologdin, 1962, pt. 1, p. 162-165, fig. 5; pl. 2, figs. 1-3; stromatolite, Chroococcaceae; lower Sinian; right bank of the Angara river, above the mouth of the Ivan river, south-eastern Siberia, U.S.S.R.
- PRESIGILLARIA** Novik, 1968.  
*Presigillaria jongmansii* Novik, 1968, p. 103-105, pl. 13, figs. 1, 2; trunk, Sigillariaceae; Lower Carboniferous; Donets basin, U.S.S.R.
- PROAULOPORA** Vologdin, 1962.  
*Proaulopora rarissima* Vologdin, 1962, pt. 2, p. 546-547, pl. 7, figs. 1-4; algae, Vologdienellea; Middle Cambrian; Kenya river, left tributary of the Abakan, environs of Torgashino village near Krasnoyarsk, U.S.S.R.
- PROCHAMAESIPHON** Elias, (1965) 1966.  
*Prochamaesiphon cumingsi* Elias, (1965) 1966, p. 6-7, pl. 1, fig. 7; algae, Myxophyceae (Cyanophyta); Ordovician; location not given.
- PROTEOKALON** Scheckler and Banks, 1971.  
*Proteokalon petryi* Scheckler and Banks, 1971, p. 874-879, figs. 1-30; progymnosperm; lower Upper Devonian; Greene County, New York, U.S.A.
- PROTOCIRCOPOROXYLON** Vogel-lehner, 1967.  
*Protocircoporoxylon capense* (Walton, 1925) Vogel-lehner, 1967, p. 40-41, gymnospermous wood, Protopinaceae; Triassic; south and southwest Africa.
- PROTOEPIPHYTON** Vologdin, 1962.  
*Protoepiphyton curtofiligerum* Vologdin, 1962, pt. 1, p. 248-250, fig. 50; pl. 48, figs. 1, 2; stromatolite, Telastromataceae; Lower Cambrian; western border of the Siberian platform, Turukhansk region, U.S.S.R.
- PROTOGINKGOXYLON** Khudayberdyev, 1971.  
*Protoginkgoxylon dockumense* (Torrey, 1923) Khudayberdyev, in Sikstel' and others, 1971, p. 102; wood, Coniferales; Triassic; North America and Central Asia.
- PROTOLYCOPODITES** Weyland and Berendt, 1963.  
*Protolycopodites devonicus* Weyland and Berendt, 1968, p. 175-177, fig. 2a-b; pl. 29, figs. 18-25; leaf with sporangia, Lycopsidea, Drepanophyceae; Middle Devonian; Wuppertal-Elberfeld, West Germany.
- PROTOPOLYPOROXYLON** Vogel-lehner, 1968.  
*Protopolyporoxylon jurassicum* (Eckhold, 1922) Vogel-lehner, 1968, p. 139-140; gymnospermous wood, Protopinaceae; Jurassic; Czenstochau, Poland.
- PROTOSPIRA** Vologdin and Strygin, 1969.  
*Protospira strygini* Vologdin and Strygin, 1969, p. 447-448, fig. 2a, b; algae, Protospiraceae; Precambrian; Krivoy Rog, Ukrainian SSR.
- PROTOSEQUOIA** Miki, 1969.  
*Protosequoia primarium* (Miki) Miki, 1969, p. 731, figs. 1A, 2A, 3A; shoots and cones; Taxodiaceae; Tertiary; central Honshu, Japan.
- PROTOTAXODIOXYLON** Vogel-lehner, 1968.  
*Prototaxodioxylon choubertii* (Attims, 1965) Vogel-lehner, 1968, p. 132-133; gymnospermous wood, Protopinaceae; Jurassic and possibly Cretaceous; Morocco, northern Africa.
- PROTOTRAPA** Vasil'yev, 1967.  
*Prototrappa douglassi* Vasil'yev, 1967, p. 110-111, pl. 8, figs. 3-5; fruit, Trapaceae; Lower Cretaceous; Australia.
- PSEUDAETHESOLITHON** Elliott, 1970.  
*Pseudoaethesolithon iranica* Elliott, 1970, p. 31-35, figs. 1, 2; pls. 1-4; algae; Miocene; Tang-i-Dashtak, southwestern Iran.
- PSEUDOACTINOPORELLA** Conrad, 1970.  
*Pseudoactinoporella fragilis* Conrad, 1970, p. 66-68, fig. 4; pl. 1, figs. 1-4; pl. 2, figs. 1-4; pl. 8, fig. 4; algae, Dasycladaceae; Lower Cretaceous; area surrounding Geneva, Switzerland.
- PSEUDOANTHOS** Korde, 1973.  
*Pseudoanthos cambicum* Korde, 1973, p. 116, fig. 3; pl. 4, fig. 1; algae, Pseudoanthaceae; Lower Cambrian; Kyzas river, western Sayan and Batenev ridge, U.S.S.R.
- PSEUDOARAUCARITES** Vladimirovich, 1967.  
*Pseudoaraucarites gorskii* Vladimirovich in Vladimirovich and others, 1967, p. 29, fig. 12; coniferous cone scale with attached seed; Lower Triassic; Pechorska depression, central Siberia, U.S.S.R.

- PSEUDOCYMOPOLIA** Elliott, 1970.  
*Pseudocymopolia orientalis* Elliott, 1970, p. 324-325, pl. 60, figs. 1, 2; algae, Dasycladaceae; Upper Jurassic to Upper Cretaceous; near Tubiti, SSE Kuching, Sarawak, Borneo.
- PSEUDOGLOBATOR** Grambast, 1969.  
*Pseudoglobator fourcasei* Grambast, 1969, p. 878, 881, pl. 4, figs. 22a-28; charophyte, Clavatoraceae; Cretaceous; Ayoro, Albacte province, Spain.
- PSEUDOISSINELLA** Mamet and Rudloff, 1972.  
*Pseudoissinella alaskensis* Mamet and Rudloff, 1972, p. 86, pl. 5, figs. 17-19; algae, incertae sedis; Carboniferous; Itkillik Lake and Tunnel Mt., Alaska, U.S.A.
- PSEUDOKAMAENA** Mamet, 1972.  
*Pseudokamaena armstrongi* Mamet, in Petryk and Mamet, 1972, p. 779, 780, fig. 4; pl. 3, fig. 12; algae; Korguk Formation (Viséan); Lower Carboniferous; southwestern Alberta, Canada.
- PSEUDOKOMIA** Rácz, (1964) 1966.  
*Pseudokomia cansecoensis* Rácz, (1964) 1966, p. 91-92, pl. 9, figs. 5, 6; pl. 10, figs. 1-3; calcareous, red algae of uncertain affinities; the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, northwestern Spain.
- PSEUDOLACHNOSTYLOXYLON** Gottwald, 1969.  
*Pseudolachnostyloxyton weylandii* Gottwald, 1969, p. 115-116, pl. 23, figs. 6-9, 11, 12; wood, Euphorbiaceae; Oligocene; Beja, southwestern Tunis, Tunisia.
- PSEUDOLEPIDODENDROPSIS** Schweitzer 1969.  
*Pseudolepidodendropsis carneggianum* (Heer, 1871) Schweitzer, 1969, p. 112-117, figs. 6, 7; pl. 13, figs. 4-7; pl. 14, figs. 1-3; pl. 15, figs. 1-6; lycophyte, Sublepidodendraceae; Upper Devonian; Bjørnøya (Bear Island), Svalbard.
- PSEUDOPIAEA** Tyroff, 1966.  
*Pseudopiaea gigantea* Tyroff, 1966, p. 256-258, figs. 1, 2; pl. 33, figs. 4-7; pl. 34, figs. 8-11; algae; Upper Permian; Büdingen (Wetterau), West Germany.
- PSEUDORHACOPTERIS** Rigby, 1973.  
*Pseudorhacopteris ovata* (McCoy, 1847) Rigby, 1973, p. 1, 2, pl. 1, fig. 1; pl. 2, figs. 4-6; pl. 3, figs. 12b-13; fernlike fronds; Upper Cretaceous; Arowa, New South Wales, Australia.
- PSEUDOSTACHEOIDES** Petryk and Mamet, 1972.  
*Pseudostacheoides loomisi* Petryk and Mamet, 1972, p. 793, 795, fig. 7; pl. 9, figs. 6-8; algae; Mount Head Formation, Lower Carboniferous; southwestern Alberta, Canada.
- PSEUDOTAXODIOXYLON** Greguss, 1973.  
*Pseudotaxodioxyton jaehnicheni* Greguss, 1973, p. 13, pl. 1, figs. 1, 8-12; pl. 2, fig. 1-3; pl. 3, figs. 1-9; pl. 4, figs. 1-5; pl. 5, figs. 1-6; pl. 6, figs. 1-7; pl. 7, figs. 1-4; pl. 8, figs. 1-6; pl. 9, figs. 1-12; coniferous wood; Tertiary; central Europe.
- PTERIDOCAULIS** Bock, 1969.  
*Pteridocaulis rhombiformis* Bock, 1969, p. 133-136, figs. 212-215; tree-fern, Cyatheaceae; Triassic; Winterpock, Virginia, U.S.A.
- PTEROGYNOXYLON** Müller-Stoll and Mädel, 1967.  
*Pterogynoxyton felixii* (Navale) Müller-Stoll and Mädel, 1967, p. 125-126, wood, Leguminosae; Tertiary; southern India.
- PUGETIA** Wolfe, 1968.  
*Pugetia longifolia* Wolfe, 1968, p. 16, fig. 7; pl. 2, figs. 1, 2, 4-6; leaves, Juglandaceae; lower Tertiary; King County, Washington, U.S.A.

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- RADIOCICIELLA** Dragastan, 1971.  
*Radiociciella subtilis* Dragastan, 1971, p. 171-172, fig. 3; pl. 4, figs. 3-8; pl. 5, figs. 1-5; algae, Dasycladaceae; Upper Jurassic and Lower Cretaceous; east Carpathians, Rumania.
- RAJAHIA** Kon'no, 1970.  
*Rajahia linggiuensis* Kon'no, in Kon'no, Asama and Rajah, 1970, p. 522-527, 529-532, fig. 13, pl. 8, figs. 5-10; pl. 9, figs. 1-6; fern Magrattiaceae; Upper Permian; Gunong Blumut area, Johore, Malaysia.
- RAMULOSTROMA** Vologdin, 1962.  
*Ramulostroma ramulosum* Vologdin, 1962, pt. 1, p. 286-287, fig. 60; pl. 66, fig. 1; pl. 67, fig. 1; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- RAMULUS** Raaben, 1972.  
*Ramulus sociabilis* Raaben, 1972, p. 40, pl. 3, fig. 1; pl. 4, figs. 2, 4; pl. 25, figs. 1-4; stromatolite;



- lowermost Cambrian; Polyudova ridge, southern Timan, and the southern Urals, U.S.S.R.
- REBUCHIA** (Dorf, 1933) Hueber, 1970.
- Rebuchia ovata* (Dorf, 1933) Hueber, 1970, a new name for *Bucheria* Dorf; p. 822; detached sporangia; Lower Devonian; Beartooth Butte, Wyoming, U.S.A.
- RELLIMIA** Leclercq and Bonamo, 1973.
- Rellimia thompsonii* Leclercq and Bonamo, 1973, p. 435-437, fig. 1; an anagram for *Milleria* (*Propteridium*) *thompsonii* Lang Emend. Leclercq and Bonamo, 1971, sporangial branches, progymnosperm; Devonian; Scotland.
- RENIERA** Stockmans, 1968.
- Reniera verrucosa* Stockmand, 1968, p. 11-12, pl. 3, figs. 5-5a; thallophyte; Middle Devonian; Brabant Massif region, central Belgium.
- RETICUTIS** Roselt and Schneider 1969.
- Reticutis communis* Roselt and Schneider, 1969, p. 61, pl. 10, fig. 3; cuticle of upper side of a leaf; Miocene; Lower Lusatia and Upper Lusatian highlands, Germany.
- RHAMNOXYLON** Chitaley and Kate, 1972.
- Rhamnoxylon intertrappea* Chitaley and Kate, 1972, p. 43-33, pl. 1, figs. 1-6; wood, Rhamnaceae; uppermost? Cretaceous; Mohgaonkalan, Chhindwara District, Madhya Pradesh, India.
- RHAPHIDOPTERIS** Barale, 1972, a new name for *Stenopteris* Saporta, 1872.
- Rhaphidopteris astartensis* (Harris, 1932) Barale, 1972, p. 1011-1014; filiform foliage; Upper Triassic; Scoresby Sund, East Greenland.
- RHETINOTHECA** Leisman and Peters, 1970.
- Rhetinotheca tetrasolenata* Leisman and Peters, 1970, p. 871-873, figs. 1-16; pteridosperm male fructification; Middle Pennsylvanian; Sahara coal mine, Williamson County, Illinois, U.S.A.
- RHYNCHOSPERMA** Taylor and Eggert, 1967.
- Rhynchosperma quinnii* Taylor and Eggert, 1967, p. 984-991, figs. 1-25, petrified seed; Upper Mississippian; Washington County, Arkansas, U.S.A.
- RIBOIDOXYLON** Page, 1970.
- Riboidoxylon cretaceae* Page, 1970, p. 1141, 1143, figs. 7, 9-11; stem of angiospermous wood; Upper Cretaceous; Stanislaus County, central California, U.S.A.
- RIGBYOCARPUS** Tidwell, 1967.
- Rigbyocarpus ebracteatus* Tidwell, 1967, p. 57, pl. 10, figs. 3, 7; table 6; seed; Lower Pennsylvanian; Utah, U.S.A.
- RIMILATERICUTIS** Roselt and Schneider, 1969.
- Rimilatericitis tenuis* Roselt and Schneider, 1969, p. 81-82, fig. 31; pl. 19, fig. 2; cuticle, probably Dioscoraceae; lower Miocene; Wiesa near Kamenz, Upper Lusatia, East Germany.
- RISSIKIA** Townrow, 1967.
- Rissikia media* (Tenison Woods, 1883) Townrow, 1967, p. 103-111, 115, 117, 121, pl. 1a-b, e-h; pl. 2a-c, f, h, i; leafy shoots, pollen and seed cones, Podocarpaceae; Upper Triassic; Queensland, Australia.
- ROBINOXYLON** Müller-Stoll und Mädel, 1967.
- Robinoxylon zirkelii* (Platen) Müller-Stoll and Mädel, 1967, p. 145-147, pl. 38, figs. 90, 91; pl. 39, fig. 92; fig. 13; wood, Leguminosae; Niobrara River, northern Nebraska, U.S.A.
- ROSENKRANTZIA** Koch, 1972.
- Rosenkrantzia picrodendroides* Koch, 1972, p. 7-18, 20, figs. 2-5, 11; pls. 1-18; dicotyledonous fruit; Upper Cretaceous; Nûgssuaq, West Greenland.
- ROSTOPORELLA** Segonzac, 1970.
- Rostoporella oviformis* Segonzac, 1970, p. 339, pl. 20, fig. 19; algae Acetabulariaceae; lower Tertiary; southern France.
- ROTUNDOLEPIS** Bock, 1969.
- Rotundolepis intermedia* Bock, 1969, p. 294-298, figs. 506-515; coniferous foliage (?Voltziales); Triassic; Carversville, Pennsylvania, U.S.A.
- RUNCARIA** Stockmans, 1968.
- Runcaria heinzelinii* Stockmans, 1968, p. 35-36, pl. 7, figs. 5-9b; possibly a pteridospermaceous seed, compared with *Condrusia*; Middle Devonian; Brabant Massif region, central Belgium.
- RUSSELLITES** Mamay, 1968.
- Russellites taeniata* (Darrach) Mamay, 1968, p. 1-9, pls. 1-3; cycad-like fronds; Lower Permian; Baylor County, Texas, U.S.A.
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- SACHALINIA** Vakhrameev, 1968.
- Sachalinia sachalinensis* Vakhrameev, 1968, p. 10-11, figs. 3, 4;

- pl. 2, figs. 1, 2; pl. 3, figs. 1, 2; pl. 4, figs. 3, 4; fern; Upper Cretaceous; Tatarsk depression Sakhalin, U.S.S.R.
- SAJAKIA** Senkevich, 1961.  
*Sajakia rhomoidea* Senkevich, 1961, p. 180-181, fig. 10, pl. 31, figs. 3-5; lycopod, Leptophloeaceae; Upper Devonian; northeastern Pribalkhash, Kazakhstan, U.S.S.R.
- SAJANIA** Vologdin, 1962.  
*Sajania frondosa* Vologdin, 1962, pt. 2, p. 482-483, pl. 5, fig. 4; algae, Sajaniaceae; Middle Cambrian; northwestern branch of the eastern Sayan Mountains, central Siberia, U.S.S.R.
- SAKKIONELLA** Segonzac, 1970.  
*Sakkionella avallanensis* Segonzac, 1970, p. 1881-1882, figs. 1, 2; reproductive organ, Dasycladales; upper Paleocene; Pyrénées, Ariège, France.
- SAROSIELLA** Segonzac, 1972.  
*Sarosielia ferrollis* Segonzac, 1972, p. 394-396, pl. 1, figs. 1-6; alga; Paleocene; The Pyrénées, Haute-Garonne, Aude and Ariège, southern France.
- SATSANGIA** Srivastava and Maheshwari, 1973.  
*Satsangia campanulata* Srivastava and Maheshwari, 1973, p. 222-227, figs. 1-3; pl. 1, figs. 1-6; ?fructification incertae sedis; Triassic; Nidpuri, Sidhi district, Madhya Pradesh, India.
- SWADONIA** Hueber, 1971.  
*Swadonia ornata* (Dawson, 1871) Hueber, 1971b, p. 641-642; a new name for *Psilophyton princeps* var. *ornatum*; stems, Zosterophylaceae; Devonian; Gaspé bay, Canada.
- SAXONICUTIS** Roselt and Schneider, 1969.  
*Saxonicutis ancoriterminata* Roselt and Schneider, 1969, p. 72-73, fig. 7a; pl. 17, figs. 1, 2; cuticle of undetermined dicotyledon; Wetrop, Upper Lusatia, East Germany.
- SCANDOPHYCUS** Vologdin, 1962.  
*Scandophycus crisptobilis* Vologdin, 1962, pt. 1, p. 296-298, figs. 76b, 77, 78, pl. 71, figs. 1, 2a; pl. 72, figs. 1-3; stromatolite, Scandophycaceae; middle Sinian; right bank of the Nizhney Tunkuska, Turukhansk region, U.S.S.R., and Algeria, northwestern Africa.
- SCHUGURIA** Chirkova-Zalesskaya, 1959.  
*Schuguria ornata* Chirkova-Zalesskaya, 1959, p. 92-95, figs. 88-95; pl. 11, figs. 58-59; pl. 18, figs. 101-106; pl. 19, figs. 107-110; pl. 20, figs. 111-112; pl. 21, figs. 113-114; pl. 22, figs. 115-117; pl. 23, figs. 119-121; pl. 32, fig. 180; cuticle, incertae sedis; Devonian; Ural-Volga area, U.S.S.R.
- SCIADOPHYTOSIS** Ishchenko, 1968.  
*Sciadophytosis triassicum* Ishchenko, in Karandievskiy, Ishchenko and Kir'yamnov, 1968, p. 90-93, fig. 12a, b; pl. 14, figs. 6-8; pl. 15, figs. 1-5; pl. 16, fig. 1; rosettelike plant and sporangia, Sciadophytaceae; Lower Devonian; left bank of the Dnestra, Volyn-Podolia, U.S.S.R.
- SCIADOPITOPHYLLUM** Christophel, 1973.  
*Sciadopitophyllum canadense* Christophel, 1973, p. 61-65, figs. 2-10; compression of conifer shoots and leaves; Upper Cretaceous to Paleogene; Smokey Tower location, western Alberta, Canada.
- SCIADOPITYCUTIS** Schneider, 1969.  
*Sciadopitycutis marcodurensis* (Ermelling, 1955) Schneider, 1969, p. 26, 27, pl. 8, fig. 6; cuticle, Sciadopityaceae; middle Miocene; Hosena near Senftenberg, Lower Lusatia, east-central Germany.
- SCOTOXYLON** Vogellehner, 1968.  
*Scotoxylon hornei* (Seward and Bancroft, 1913) Vogellehner, 1968, p. 150-151; gymnospermous wood, Protopinaceae; Upper Jurassic; Helmsdale, Sutherland, Scotland.
- SELESICUTIS** Roselt and Schneider, 1969.  
*Selesicutis prosenchymatica* Roselt and Schneider, 1969, p. 80-81, fig. 30; pl. 20, fig. 1; cuticle, incertae sedis; upper Lower Carboniferous; Upper Silesia, east-central Europe.
- SEPTOMEDULLOPITYS** Lepekhina, 1969.  
*Septomedullopitys sibirica* Lepekhina, 1969, p. 137-139, pl. 5, fig. 6; pl. 6, figs. 1-7; wood with xylem; Upper Permian; Kuznets basin, Kemerovo Oblast, U.S.S.R.
- SERLIGIA** Korde, 1973.  
*Serligia fragilis* Korde, 1973, p. 143-145, figs. 13, 14; pl. 20, figs. 2-4; pl. 21, figs. 1-5; algae, Serligiaceae; Lower Cambrian; Serlig river, eastern Tannu-Ola, U.S.S.R.
- SERMAYA** Eggert and Delevoryas, 1967.  
*Sermaya biseriata* Eggert and Delevoryas, 1967, p. 172-178, pls. 34-



- 38; fern, Sermayaceae; Upper Pennsylvanian; Berryville, Illinois, U.S.A.
- SERTOSTROBUS** Grauvogel-Stamm, 1969.
- Sertostrobus laxus* Grauvogel-Stamm, 1969, p. 112-116, figs. 11, 12, 13; pl. 2, figs. 9-18; coniferous male cone; Lower Triassic; Vosges, Lorraine, eastern France.
- SESSAOXYLON** Koeniguer, 1971.
- Sessaoxylon paleocenicum* Koeniguer, 1971, p. 313-320, figs. 5-8; pl. 2, figs. 1-4; wood, incertae sedis; Paleocene; Krebb de Sessao, Niger, Africa.
- SEWARDIOXYLON** Gupta, 1971.
- Sewardioxylon sahnii* Gupta, 1971, p. 160-165, figs. 1, 2; pls. 35, 36, figs. 1-19; cycadean wood, Cycadopsida; Jurassic; Rajmahal Hills, Bihar, India.
- SGROSSOELLA** De Castro, 1969.
- Sgrossoella parthenopeia* De Castro, 1969, p. 90-102, 112-153, figs. 1, 4-6; pls. 1-20, algae, Chlorophyceae; Upper Cretaceous; Campania, southern Italy.
- SHANGANELLA** Vologdin, 1969.
- Shanganella tuvaica* Vologdin, 1969, p. 1377-1378, figs. 1, 3a, v, b; blue-green algae, Shanganellaceae; Lower Cambrian; Ulug-Shangan canyon, Tuva, southern Siberia, U.S.S.R.
- SIAMPORIDIUM** Endô, 1969.
- Siamporidium elongatum* Endô, 1969, p. 39-40, fig. 1; pl. 5, fig. 5; pl. 6, figs. 1, 2; pl. 7, figs. 1-3; algae, Corallinaceae; Permian; Thailand.
- SIDERINIUM** Prakash and Awasthi, (1969) 1970.
- Siderinium demaliense* Prakash and Awasthi, (1969) 1970, p. 40-41, pl. 6, figs. 33-37; silicified wood, compared with modern wood, incertae sedis; Tertiary; Namsang river bed near Deomali, Assam, India.
- SILICOPHYLLUM** Weyland, Kilpper and Berendt, 1967.
- Silicophyllum heerlense*, Weyland, Kilpper and Berendt, 1967, p. 163-166, figs. 23-30; pl. 31, figs. 39-42; pl. 32, figs. 43-47; dicotyledonous leaves; Miocene; Heerlen, Limburg province, southeast Netherlands.
- SINUATOPORELLA** Gnilovskaya, 1972.
- Sinuatoporella buccera* Gnilovskaya, 1972, p. 93-96, fig. 42; pl. 9, figs. 1, 2, 4; alga, Codiaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- SLIVKOVIA** Meyen, 1969.
- Slivkovia petschorensis* Meyen, 1969, p. 97-100, figs. 5, 6; pl. 15, figs. 1-13; shoots and foliage, incertae sedis; Permian; Pechoria, Cisurals, U.S.S.R.
- SOGDIANIA** Burakova, 1971.
- Sogdiania abdita* Burakova, 1971, p. 3-7, pl., figs. 1a, 1b, 1v, 1g; ?reproductive structure, incertae sedis; Middle Jurassic; near Yaksho-Saydun village, left bank of the Obi-Niou river, western Siberia, U.S.S.R.
- SONNERATIORHIZOS** Chitaley (1968) 1969.
- Sonneratiorkhizos raoi* Chitaley (1968) 1969, p. 244-246, figs. 1-8; pl. 1, figs. 1-6; root, dicotyledon; probably Paleocene; Mongaonkalan, Chhindwara district, Madhya Pradesh, India.
- SPHAEROCARYA** Dorofeev, 1970.
- Sphaerocarya uralensis* Dorofeev, 1970, p. 36-38, fig. 3; pl. 6, figs. 1-10; endocarp, Juglandaceae; Miocene; middle Urals, Visim district, Sverdlovsk region, U.S.S.R.
- SPHAEROPORELLA** Antropov, 1967.
- Sphaeroporella aksubaica* Antropov, 1967, p. 122-123, pl. 27, figs. 1-3; algae, Siphonales; Lower Carboniferous; central part of the east Russian platform, U.S.S.R.
- SPHAEROTHALLUS** Vologdin, 1962.
- Sphaerothallus spissus* Vologdin, 1962, pt. 1, p. 298-300, fig. 79; pl. 73, figs. 1-3; stromatolite. Scandophycaceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- SPINCTOPORELLA** Mamet and Rudloff, 1972.
- Spinctoporella lisburnensis* Mamet and Rudloff, 1972, p. 84, pl. 4, figs. 1-6; algae, Dasycladaceae; Carboniferous; Itkillik and Shainin Lakes, Alaska, U.S.A.
- SPINOPALMOXYLON** Weyland, Kilpper and Berendt, 1966.
- Spinopalmoxylon daemonorops* (Unger, 1860) Weyland, Kilpper and Berendt, 1966, p. 88; spine-bearing palm, Arecaceae; Tertiary; Wetterau, West Germany.
- SPORINULA** Korde, 1973.
- Sporinula palmata* Korde, 1973, p. 149-150, pl. 25, fig. 2; algae, Tomentulaceae; Lower Cambrian;

- Bazaikha river, eastern Sayan, U.S.S.R.
- SQUAMOPHYLLUM** G. P. Radchenko, 1934.
- Squamophyllum actaeonelloides* (Geinitz, 1871) G. P. Radchenko, 1934, p. 35, 37, pl. 12, figs. 9-12; scaly cordate leaves; Permian; Kuznetsk basin; south-central Siberia, U.S.S.R.
- STACHEIA** Brady, 1876.
- Stacheia marginuloides* Brady, 1876, Petryk and Mamet, 1972, p. 784, calcareous algae (originally described by Brady as a foraminifer); Carboniferous; England and Scotland.
- STACHEOIDES** Cummings, 1955.
- Stacheoides palytrematoides* (Brady, 1876), Petryk and Mamet, 1972, p. 785; calcareous algae (originally described by Brady and later by Cummings as Foraminifera); Carboniferous; England and Scotland.
- STEGANOTHECA** Edwards, 1970.
- Steganotheca striata* Edwards, 1970, p. 451-454, fig. 1; pl. 84, figs. 1-6; pl. 85, figs. 1-8; branching axes with terminal sporangia, Rhyniaceae; Lower Devonian, South Wales, Great Britain.
- STOLBERGIA** Fairon, 1967.
- Stolbergia spiralis* Fairon, 1967, p. 23-24, pl. 1, figs. 1-4; pl. 2, figs. 5-12; pl. 3, figs. 13, 15-16, 19-21; pl. 4, figs. 22-27; axis, incertae sedis (?psilophyte); Middle Devonian; Stolberg, West Germany.
- STRIATOTAXUS** Bock, 1969.
- Striatotaxus longifolia* (Emmons) Bock, 1969, p. 335-338, figs. 575-582; for *Walchia longifolia* Emmons, 1857) coniferous foliage (?Taxales); Triassic; Carversville, Pennsylvania, U.S.A.
- STRIATATHALLUS** Krasilov, 1973.
- Striatothallus adnicanicus* Krasilov, 1973, p. 98-99, pl. 44, figs. 33-44; pl. 45, figs. 45-57; bryophyte, Hepaticae; Early Cretaceous; Bureya basin, near the mouth of the Adnican river, U.S.S.R.
- SUERIA** Menendez, 1965.
- Sueri rectinervis* Menendez, 1965, p. 75-79, pls. 1-4; leaves and stoma, Cycadales; lowermost Cretaceous; Ticó, Santa Cruz province, Argentina.
- SUJFUNOPHYLLUM** Krasilov, 1967.
- Sujfunophyllum dichotomum* Krasilov, 1967, p. 227, 230, fig. 30; pl. 85, figs. 1-7; leaves Gymnospermae, incertae sedis; Lower Cretaceous; southern Maritime Territory, U.S.S.R.
- SULCOCLADUS** Stockmans, 1968.
- Sulcocladus multipunctatus* Stockmans, 1968, p. 32, 33, pl. 13, figs. 1-4; similar to calamophyton (calamarian?), incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- SUPPILULIMAELLA** Elliott, 1968.
- Suppilulimaella polyreme* Elliott, 1968, p. 495-496, pl. 95, figs. 1-4; algae, Dasycladaceae; Lower Cretaceous, Turkey.
- SURANGEA** Chitaley and Sheikh, (1971) 1972.
- Surangea mohgaense* Chitaley and Sheikh, (1971) 1972, p. 123-126, figs. 1-4; pl. 1, figs. 1-8; a pteridophytic fructification, incertae sedis; Paleocene; Mohgaonkalan, Madhya Pradesh, India.
- SVALBARDOXYLON** Vogellehner, 1968.
- Svalbardoxylon johnsonii* (Schroter, in Heer, 1880) Vogellehner, 1968, p. 152-154; gymnospermous wood, Protopinaceae; Cape Dufferin, Spitsbergen.
- SWINTONIOXYLON** Prakash and Tripathi, 1968.
- Swintonioxylon hailkandiense* Prakash and Tripathi, 1968, p. 115-116, figs. 3, 4; wood, compared with the modern wood *Swintonia floribunda*; Tertiary; Hailakanda, Cachar district, Assam, India.

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- TAENIOPHYTON** Weyland and Berendt, 1968.
- Taeniophyton inopinatum* Weyland and Berendt, 1968, p. 172-174, fig. 1; pl. 27, figs. 1-9; pl. 28, figs. 10-14; compared with *Taenioocrada*, ?Rhyniaceae; Middle Devonian; Wuppertal-Elberfeld, West Germany.
- TANINIA** Korde, 1973.
- Taninia tomentosa* Korde, 1973, p. 150-151, pl. 25, fig. 3; pl. 26, fig. 1; algae, Tomentulaceae; Lower Cambrian; Bazaikha River, eastern Sayan, Kuznetskiy Alatau, Sahashtykgol river, Western Sayan, U.S.S.R.
- TANTALLOSPERMA** Barnard and Long, 1973.
- Tantalosperma setigera* Barnard and Long, 1973, p. 99-103, fig. 5; pl. 2, fig. 21; pl. 4, figs. 30-40; seed, closely associated with the stem *Buteoxylon gordonianum* but its relationship has not been es-



- ablished; Upper Carboniferous; Oxroad Bay, East Lothian, Scotland.
- TARIOUFETIA** Bertrand-Sarfati, 1972.
- Tarioufetia hemispherica* Bertrand-Sarfati, 1972, p. 56-60, figs. 13, 16, 17; stromatolite; upper Precambrian; Mauritania, Sahara Occidental.
- TATARINA** Meyen, 1969.
- Tatarina olferievii* Meyen, 1969, p. 99-100, pl. 4, figs. 1-9; leaf epidermis, incertae sedis; Upper Permian; right bank of Vokhma river, right tributary of Vetluga river, Kirovskaya Oblast, U.S.S.R.
- TAXOXYLUM** Unger, 1842.
- Taxoxylum aykii* (Göppert, 1841, non Ad. Brong.) Unger, 1842, p. 33. See also Unger, in Endlicher, 1847, p. 308. Later spelling: *Taxoxylon aykei*, Unger, 1850, p. 390; coniferous wood; Miocene; Hungary.
- TCHAUNIA** Samy'lina and Filippova, 1970.
- Tchaunia tchaunensis* Samy'lina and Filippova, 1970, p. 92-94, fig. 3; pl. 12, figs. 1-5; fern, ?Dicksoniaceae; Cretaceous; northeastern U.S.S.R.
- TEDELEA** Eggert and Taylor, 1966.
- Tedelea glabra* (Baxter) Eggert and Taylor, 1966, p. 54-70, figs. 1-8; pls. 8-11; fern, Tedeleaceae; Middle Pennsylvanian; Illinois, Indiana, and Kansas, U.S.A.
- TELANGIOPSIS** Eggert and Taylor, 1971.
- Telangiopsis arkansanum* Eggert and Taylor, 1971, p. 30-37, figs. 1-8; compressed synangiate pollen organ; Upper Mississippian; Lake Lincoln damsite, Washington County, Arkansas, U.S.A.
- TELASTROMA** Vologdin, 1962.
- Telastroma tenuirimulatum*, Vologdin, 1962, pt. 1, p. 241-244, pl. 45, figs. 1-3; stromatolite, Telastromataceae; Sinian; region of the lower Nizhney Tunguska, left bank, Durnoy cape, Turukhansk, U.S.S.R.
- TETrameleoxylon** Lakhnapal and Verma, (1965) 1966.
- Tetrameleoxylon prenucliflora* Lakhnapal and Verma, (1965) 1966, p. 209-212 figs. 1, 2; dicotyledonous wood; Tertiary (probably Lower Eocene); Mohgaonkalan, Madhya Pradesh, India.
- TETRAPLEUROXYLON** Müller-Stoll and Mädél, 1967.
- Tetrapleuroxylon ingaeforme* (Felix) Müller-Stoll and Mädél, 1967, p. 113-114, fig. 4; pl. 28, figs. 20, 21; pl. 29, fig. 26; wood, Leguminosae; Tertiary; Brazil.
- TEXTURATA** Gnilovskaya, 1972.
- Texturata tubulosa* Gnilovskaya, 1972, p. 122-124, pl. 14, fig. 1; alga, Moniliporellaceae; Upper Ordovician; central Kazakhstan, U.S.S.R.
- THAILANDOPORELLA** Endô, 1969.
- Thailandoporella phlongphrabensis* Endô, 1969, p. 66-67, fig. 3; pl. 22, figs. 8-9; pl. 25, figs. 2, 3; algae, Dasycladaceae; Permian; Thailand.
- THAINGUYENOPTERIS** Srebrdolskaya, 1969.
- Thainguyenopteris parvipinnulata* Srebrdolskaya, 1969, p. 87-98, figs. 1-3; pl. 1, figs. 1-6; pl. 2, figs. 1, 1a, 1b; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.
- THAMNOCLADITES** Stockmans, 1968.
- Thamnocladites vanopdenboschii* Stockmans, 1968, p. 39-40, pl. 1, figs. 1-7; pl. 14, fig. 8; axes, incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- THARMA** Wray, 1967.
- Tharma glauca* Wray, 1967, p. 1921, fig. 7; pl. 4, figs. 1-5; alga, incertae sedis; Upper Devonian; Canning basin, Western Australia.
- THUJADENDRON** Bock, 1969.
- Thujadendron pristinum* Bock, 1969, p. 352-356, figs. 619-626; coniferous fragments (?Cupressaceae); Triassic; Turners Falls, Massachusetts, U.S.A.
- THUJATOSTROBUS** Bock, 1969.
- Thujatostrobis triassicus* Bock, 1969, p. 350-352, figs. 615-618; coniferous cone scales (?Cupressaceae); Triassic; Gwynedd, Pennsylvania, U.S.A.
- THURINGICUTIS** Roselt and Schneider, 1969.
- Thuringicutis Tenurimata* Roselt and Schneider, 1969, p. 70, fig. 21; pl. 14, figs. 1-4; cuticle of undetermined dicotyledon; upper Eocene; Profen near Seitz, East Germany.
- TIMANELLA** Vologdin, 1969.
- Timanella gigas* Vologdin, 1969, p. 672-675, 4 figs., siphon algae, Timanollaceae; upper Proterozoic; western zone of the Timan mountain range, U.S.S.R.



- TINSLEYA** Mamay, 1966.  
*Tinsleya texana* Mamay, 1966, p. E10-E11, figs. 1, 2; pls. 1-3; fronds with laminally borne seeds, Callipteridaceae; Lower Permian; Baylor County, Texas, U.S.A.
- TIRASSIA** Ischenko, 1968.  
*Tirassia incisa* Ischenko in Karandievskiy, Ischenko and Kir'yanov, 1968, p. 105-106, pl. 22, figs. 4-8, reproductive organ, incertae sedis; Lower Devonian; right and left banks of the Dnestra, Volyn-Podolia, U.S.S.R.
- TOLLIA** Sveshnikova and Budantsev, 1969.  
*Tollia cunninghamioides* Sveshnikova and Budantsev, 1969, p. 84-85, pl. 32, figs. 3-49; pl. 33, figs. 4-22; leaves, Taxodiaceae; Upper Cretaceous; Derevyannye Mountain; New Siberian Islands, U.S.S.R.
- TOMENTULA** Korde, 1973.  
*Tomentula villosa* Korde, 1973, p. 147-148, fig. 8; pl. 22, fig. 4; pl. 23, fig. 1; algae, Tomentulaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.
- TORETZIA** Stanislavsky, 1973.  
*Toretzia angustifolia* Stanislavsky, 1973, p. 91, 93-94, fig. 1a-g; pl. 12, figs. 1-3; branch bearing shoots with megastrobili, Ginkgoales, Toretziaceae; Upper Triassic; Raysko hamlet, Kazennyy Toretz river, northwestern outskirts of the Donets basin, U.S.S.R.
- TORTKOPHYTON** Yurina, 1969.  
*Tortkophyton globosum* Yurina, 1969, p. 72-73, fig. 35; pl. 29, figs. 1-4; zygopterid fructification; Devonian; central Kazakhstan, U.S.S.R.
- TRIADOSTROBUS** Bock, 1969.  
*Triadostrobus fenestraeformis* Bock, 1969, p. 330-331, figs. 567-572; cones, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- TRIASOCOCOLADUS** Archangelsky, 1966.  
*Triasococlandus tigrensis* Archangelsky, 1966, p. 276-280, figs. 21, 25; pl. 4, fig. 21; pl. 5, figs. 22-39; pl. 8, figs. 56-67; air bladders, gymnospermous leaves, Podocarpaceae; Lower Cretaceous; Santa Cruz province, Argentina.
- TRIASSIFLORITES** Bock, 1969.  
*Triassiflorites grandiflora* Bock, 1969, p. 265-275, figs. 442-462; fruiting body, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- TRICHOSTROMA** Vologdin, 1962.  
*Trichostroma capilliforme* Vologdin, 1962, pt. 1, p. 253-255, fig. 52; pl. 49, figs. 1-4; stromatolite, Trichostromataceae; Sinian; right bank of the lower Nizhney Tunguska, Durnoy cape, Turukhansk region, U.S.S.R.
- TRICLYPELLA** Grambast, 1969.  
*Triclypella calcitrapa* Grambast, 1969, p. 878, 881, pl. 1, figs. 1a-7; charophyte, Clavatoraceae; Cretaceous; Castellon province, Spain.
- TRICOSTIUM** Krasilov, 1973.  
*Tricostium papillosum* Krasilov, 1973, p. 100-101, pl. 48, figs. 75-86; stem fragments and serrate leaves, bryophyte, Musci; Late Jurassic; Bureya basin, near the mouth of the Umalta river, U.S.S.R.
- TRILOBOXYLON** Matten and Banks, 1966.  
*Triloboxylon ashlandicum* Matten and Banks, 1966, p. 1020-1026, figs. 1-18; pteridopsid axes; Upper Devonian; northern Catskills, New York State, U.S.A.
- TRYASOTAENIA** Gnilevskaya, 1971.  
*Tryasotaenia podolica* Gnilevskaya, 1971, p. 106-107, pl. 11, figs. 1-5; algae, Vendotaenides; upper Precambrian; Dniester region of Podolia and Moldavia, U.S.S.R.
- TUBERCULARIA** Vologdin, 1962.  
*Tubercularia latiuscula* Vologdin, 1962, pt. 2, p. 488-489, fig. 7; pl. 7, figs. 1a, 2a; stromatolite, Scandophyceae; upper Lower Cambrian; Yanguda river basin, U.S.S.R.
- TUBERICUTIS** Roselt and Schneider, 1969.  
*Tubericutis hemisphaeria* Roselt and Schneider, 1969, p. 74-75, figs. 24, 25; pl. 18, figs. 1-3; cuticle of undetermined dicotyledon; upper Eocene; Lochau near Halle, East Germany.
- TUBOMORPHYTON** Korde, 1973.  
*Tubomorphyton botomense* (Epiphyton botomense) Korde, 1955) Korde, 1973, p. 204-205, algae, Epiphytaceae; Lower Cambrian; Lena river, Botoma, Mukhatta, Yakutsk, U.S.S.R.
- TUBULISTROMA** Vologdin, 1962.  
*Tubulistroma scrofulosum* Vologdin, 1962, pt. 1; p. 310-312, fig. 89; pl. 77, fig. 1; algae, Porostromataceae; upper Sinian; Borlog river, Burul'deyka river system, southwestern Cisbaikal, U.S.S.R.
- TUMIDOPHYTON** Vologdin, 1962.  
*Tumidophyton nucamentum* Volog-

- din, 1962, pt. 2, p. 494-495, fig. 11; pl. 11, fig. 3; stromatolite, Tumidophyceae; Lower Cambrian; area of the upper course of the Lena, Irkutsk, Oblast, U.S.S.R.
- TUNGUSSOCARPUS** Sukhov, 1969.  
*Tungussocarpus tychtensis* (Zallessky, 1937) Sukhov, 1969, p. 163-166, pl. 26, figs. 1-7; gymnosperm seed; Permian; Kuznets and Tunguska basins, central Siberia, U.S.S.R.
- TUNGUSSOPTERIS** Vladimirovich, 1967.  
*Tungussopteris sphenopteroides* Vladimirovich in Vladimirovich and others, 1967, p. 24-25, fig. 3; fern; Lower Triassic; Tunguska basin, central Siberia, U.S.S.R.
- TUNIKATA** Krylov, 1969.  
*Tunikata noctuica* Krylov, in Krylov, Korolyuk and Siderov, 1969, p. 210-212, figs. 58-60; pl. 42, figs. 1-4; pl. 43, figs. 1, 2; stromatolite; Precambrian; near Nokhtuyysk village, Yakutsk Oblast, northeastern Siberia, U.S.S.R.
- TURKESTANIOXYLON** Khudayberdyev, 1971.  
*Turkestanioxylon metasequoianum* Khudayberdyev, in Khudayberdyev, Gomolitskii and Lobanova, 1971, p. 37-40, pl. 27, figs. 1-4; wood, Taxodiaceae; Upper Cretaceous; northern slope of Turkestan range, Uzbekskoy SSR.
- TUZHYKOVIELLA** Vladimirovich, 1972, p. 96-97, pl. 2, fig. 2; fernlike foliage; Middle Triassic; Orenburg, Ural region, U.S.S.R.
- TYPHAEPHYLLUM** Prakash and Boureau, 1970.  
*Typhaephyllum scammoni* Prakash and Boureau, 1970, p. 94-95, 101-105, fig. 11, pls. 1-5, figs. 1-10; herbaceous dicotyledon, Typhaceae; upper Miocene; Vantage, Kittitas County, Washington, U.S.A.
- U
- UMALTOLEPSIS** Krasilov, 1972.  
*Umaltolepis vachrameevii* Krasilov, 1972, p. 62-64, fig. 10n-p, f; pl. 21, fig. 5a; pl. 22, figs. 5-8; pl. 23, figs. 1, 2, 5-7, 13; ginkgo phyte seed, Pseudotorelliaceae; Upper Jurassic; right bank of the Bureya river, Uman'tinski section, Khavaroosk Kray, U.S.S.R.
- UMBELLULA** Korde, 1973.  
*Umbellula minuta* Korde, 1973, 135, pl. 15, fig. 3; algae, Cambrian; Lower Cambrian; Baikal; Sayan; eastern Sayan, U.S.S.R.
- URALIA** Chirkova-Zallesskaya, 1959.  
*Uralia bella* Chirkova-Zallesskaya, 1959, p. 86-88, figs. 77-79; pl. figs. 29-31; pl. 25, figs. 125, 126; sporangia, ?Trimerophytina; Devonian; Ural-Volga area, U.S.S.R.
- UTERIOIDES** Segonzac, 1970.  
*Uterioides copiosus* Segonzac, 1970, p. 1883-1884, fig. 3a-4; reproductive organ, Dasycladales; upper Paleocene; Pyrenees.
- V
- VALMEYERODENDRON** Jennings, 1972.  
*Valmeyerodendron triangularifolium* Jennings, 1972, p. 74-80, fig. 3; pls. 17-21, figs. 1-45; lycopsids; stems, cuticle and leaves; affinities with Sublepidodendraceae; close; Trout Hollow, Monroe County, Illinois, U.S.A.
- VARIPILICUTIS** Schneider, 1969.  
*Varipilicutis liblarensis* (Kraus and Weyland, 1954) Schneider, 1969, p. 27, 28, fig. 6; pl. 9, fig. 1; cuticle. Discoraceae; upper Oligocene; Liblar, West Germany.
- VENDOTAENIA** Gnilovskaya, 1971.  
*Vendotaenia antiqua* Gnilovskaya, 1971, p. 105-106, pl. 11, figs. 6-8; algae, Vendotaenides; upper Precambrian; Leningrad province; Dniester region of Podolia, U.S.S.R.
- VERSIPALMICUTIS** Schneider, 1969.  
*Versipalmiticulus undulatus* Schneider, 1969, p. 28-29, pl. 9, figs. 3, 4; cuticle, Palmae; middle Miocene; Tagerbau Spreetal, Lower Lusatia; east-central Germany.
- VERTICILIAPHYTON** Baxter, 1967.  
*Verticiliaphyton paradoxum* Baxter, 1967, p. 71-76, figs. 1-17; wood axis, incertae sedis; Middle Pennsylvanian; Oskaloosa, Iowa, U.S.A.
- VESICOPHYTON** Vologdin and Drozdova, 1969.  
*Vesicophyton punctatum* Vologdin and Drozdova, 1969, p. 1419-1423, fig. 1:1-6; microscopic colonial algae, Gloeocapsaceae; Precambrian; Batenev ridge, Krasnoyarskiy Kray, U.S.S.R.



**VESICULARIA** Vologdin 1962.

W

*Vesicularia nidifica* Vologdin, 1962, pt. 1, p. 226-228, fig. 36; pl. 39, figs. 1, 2; stromatolite, Vesiculariaceae; upper Sinian; Borlog river, tributary of Burul'deyka river, southwest of Cisbaikal, U.S.S.R.

**WALCHIARAUCARIA** Bock, 1969.

*Walchiaraucaria permiensis* Bock, 1969, p. 302-308, figs. 518-527; coniferous foliage (?Araucariaceae); Permian; Placerville, Colorado, U.S.A.

**VILLOSOPORELLA** Gnilevskaya, 1972.

*Villosoporella villosa* Gnilevskaya, 1972, p. 124-126, fig. 54; pl. 14, fig. 2; alga, Moniliporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.

**WANKIEA** Lacey and Huard-Moine, 1966.

*Wankiea bondii* Lacey and Huard-Moine, 1966, p. 22, fig. 3; pl. 4, figs. 30, 31; branching fructification; Lower Permian; Wankie beds, southern Rhodesia.

**VINEA** Wolfe, 1968.

*Vinea pugetensis* Wolfe, 1968, p. 14-15, fig. 4; pl. 2, fig. 3; leaves, Juglandaceae; lower Tertiary; King County, Washington, U.S.A.

**WATTIA** Mamay, 1967.

*Wattia texana* Mamay, 1967, p. C124-C125, fig. 2f, h-k; axes, foliar appendages, systematic affiliation indetermined; Lower Permian; Baylor County, north-central Texas, U.S.A.

**VIRGATICUTIS** Roselt and Schneider, 1969.

*Virgaticutis brevivirgata* Roselt and Schneider, 1969, p. 71, 72, fig. 23, pl. 14, fig. 2; cuticle, undetermined dicotyledon; middle Miocene; Nochten, lower Lusatia, Germany.

**WATTIEZA** Stockmans, 1968.

*Wattieza givetiana* Stockmans, 1968, p. 13-14, fig. 1; pl. 2, figs. 7, 7a; stem, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.

**VIRGIMPARICUTIS** Roselt and Schneider, 1969.

*Virgimparicutis iugata* Roselt and Schneider, 1969, p. 76-77, fig. 26; pl. 17, figs. 3, 4; cuticle, probably Cruciferae; middle Miocene; Sedlitz, lower Lusatia, Germany.

**WEISSIA** Rothwell and Taylor, 1971a.

*Weissia kentuckiense* Rothwell and Taylor, 1971a, p. 215-224, figs. 1-20; calamitean cones; upper Paleozoic; eastern Kentucky, U.S.A.

**VITTOPHYTON** Vologdin, 1962.

*Vittophyton parvum* Vologdin, 1962, pt. 1, p. 294-295, fig. 76a; pl. 71, figs. 2b, 3; stromatolite, Plexostromataceae; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.

**WEISSISTACHYS** Rothwell and Taylor, 1971.

*Weissistachys kentuckiense* (Rothwell and Taylor, 1971) Rothwell and Taylor, 1971b, a new name for *Weissia kentuckiense*, p. 371-372; calamitean cones; upper Paleozoic; eastern Kentucky, U.S.A.

**VOLOGDINA** Korde, 1973.

*Vologdina verticillata* Korde, 1973, p. 137-138, fig. 6; pl. 16, fig. 1; pl. 25, fig. 1; algae, Cambrinaceae; Lower Cambrian; Bazaikha river, eastern Sayan U.S.S.R.

**WEYLANDICUTIS** Schneider, 1969.

*Weylandicutis marcodurensis* (Kr. and Wld., 1959) Schneider 1969, p. 16-17, pl. 3, figs. 1-5; cuticle, Ericaceae; middle Miocene; upper Lusatia, east-central Germany.

**VOLTZIOSTROBUS** Grauvogel-Stamm, 1969.

*Voltziostrobos schimperi* Grauvogel-Stamm, 1969, p. 105-112, figs. 6a, b, 7a, 8a-m, 10a, b; pl. 3, figs. 1-11; coniferous male cone; Lower Triassic; Vosges, Lorraine, eastern France.

**WILLIAMSONIANTHUS** Kräusel and Schaarschmidt, 1966.

*Williamsonianthus keuperianus* Kräusel and Schaarschmidt, 1966, p. 19-22, pl. 5, figs. 7, 8; pl. 6; pl. 7, figs. 1-8; bennettitalean pollen organ; Middle Triassic; Switzerland.

**VOYRIOSEMINITES** Trivedi and Chaturvedi, (1971) 1972.

*Voyrioseminites magnus* Trivedi and Chaturvedi (1971) 1972, p. 161-164, figs. 1, 2; pl. 1, fig. 1; seed, ?Gentianaceae; Eocene; about 10 miles west of Kuala Lumpur, Malaya.

**WILLISIA** Wolfe, 1968.

*Willisia rentonensis* Wolfe, 1968, p. 24-25, fig. 19; pl. 7, figs. 3-5; leaves, Tilliaceae; lower Tertiary; King County, Washington, U.S.A.



*WINDOSOPORELLA* Mamet and Rudloff, 1972.

*Windosoporella radiata* Mamet and Rudloff, 1972, p. 83 pl. 3, figs. 18-25, calcareous algae, Dasycladaceae; Carboniferous; Antigonish Milk Plant, Nova Scotia, Canada.

*WINGATEA* Ash, 1969.

*Wingatea plumosa* (Daugherty) Ash 1969, p. D38-39 fig. 17; pl. 4, fig. 1; fern; Chinle Formation, Upper Triassic; Fort Wingate area, New Mexico, U.S.A.

## Y

*YAKUTINA* (Korde, 1957) Korde, 1973.

*Yakutina aciculata* (Korde, 1957) Korde, 1973, a new name for *Sibiriella* Korde; p. 242, fig. 58; algae, Seletonellaceae; Middle Cambrian; Amga river, 1 km beyond Khomustakh village, Yakutsk, U.S.S.R.

*YOREKIELLA* Krasilov, 1973.

*Yorekiella pusiella* Krasilov, 1973, p. 101, pl. 49, figs. 87-94; pl. 50,

figs. 95-97; shoot with leaves, bryophyte, Musci; Early Cretaceous; Bureya basin, Bolshoi Yorek river, U.S.S.R.

*YORKOXYLON* Vogelgehner, 1968.

*Yorkoxylon cedroides* (Holden, 1913) Vogelgehner, 1968, p. 151-152; gymnospermous wood, Protopinaceae; Jurassic; Yorkshire, England.

*YUKONELLA* Mamet and Rudloff 1972.

*Yukonella bamberi* Mamet and Rudloff, 1972, p. 87, pl. 5, figs. 24-29; calcareous algae; Carboniferous; Sedgwick Mt., Yukon Territory, Canada.

## Z

*ZAPORELLA* Rác, (1964) 1966.

*Zaporella cantavriensis* (1964) 1966, p. 102-103, pl. 1, figs. 4-7; calcareous green algae, ?Dasycladaceae; the San Emiliano and Loisciguera Formations, Carboniferous; Leon province, northwestern Spain.

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